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The Gazette of India

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No. 3] NEW DELHI, SATURDAY, JANUARY 17, 1976 (PAUSA 27, 1897)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 17th January 1976

SPECIAL NOTICE

The following holidays will be observed by the Patent Office Branch, Madras during the year 1976.

Name of Festival	Day of the Week	Date
Muharram	Wednesday	14th January
Pongal	Thursday	15th January
Republic Day	Monday	26th January
Tamil New Year's Day	Tuesday	13th April
Good Friday	Friday	16th April
Buddha Purnima	Thursday	13th May
Independence Day	Sunday	15th August
Janmashtami	Wednesday	18th August
Vinayaka Chathurthi	Saturday	28th August
Id-ul-Fitr	Sunday	26th September
Saraswathi Pooja	Friday	1st October
Mahatma Gandhi's Birthday	Saturday	2nd October
Diwali	Friday	22nd October
Guru Nanak's Birthday	Saturday	6th November
Id-ul-Zuha (Bakrid)	Friday	3rd December
Christmas Day	Saturday	25th December

CORRIGENDUM

In the Gazette of India, Part-III, Section 2 dated the 13th September, 1975, in page 648, Column 1 under the heading "cessation of Patents".

delete 112776.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th December, 1975

2326/Cal/75. Bejovendra Kumar Singha. Improvements in or relating to petrol engines.

11th December, 1975

2327/Cal/75. J. B. Estebanell. Improved combing-cleaning device for universal cards.

2328/Cal/75. Ciba-Geigy AG. Reactive dyes, Their manufacture and use.

2329/Cal/75 Hooker Chemicals & Plastics Corporation. Lengthening anode life in electrolytic cell having moulded body.

12th December, 1975

2330/Cal/75 Hollandse Signaalapparaten B. P. Method for the manufacture of twistless or substantially

twistless yarn and yarn manufactured by the application of that method.

2331/Cal/75. F. Langreney. Apparatus for the continuous crystallization of sugar.

2332/Cal/75. Standard Oil Company. Apparatus for the vapor phase polymerization of at least one polymerizable monomer.

2333/Cal/75. Standard Oil Company. Melt finishing process for polymers produced by vapor state polymerization processes.

2334/Cal/75. The Standard Oil Company. Polymerizates of olefinic nitriles and diene rubbers.

2335/Cal/75. Alcan Research and Development Limited. The electrolytic colouring of anodized aluminium by means of optical interference effects. (July 16, 1975).

2336/Cal/75. Christian Fayd'Herbe De Maudave. Method of producing high protein fertilizers and bird and stock feed from waste. (December 12, 1974).

15th December, 1975

2337/Cal/75. G. D. Societa'Per Azioni. Automatic apparatus for transferring cigaret'e containers from devices arranged to fill such containers to hopper loading mechanism in packaging machines for forming packets of cigarettes.

2338/Cal/75. D. P. Chowdhary. Improved match box.

2339/Cal/75. Council of Scientific and Industrial Research. Improvements in or relating to preparation of manganese sulphate from manganese ores.

2340/Cal/75. Bayer Aktiengesellschaft. Sulphenamides, their production and their use as vulcanisation retarders.

2341/Cal/75. S. Singh. A cutting machine.

2342/Cal/75. Texaco Development Corporation. Upgrading of solid fuels.

2343/Cal/75. Dr. C. Otto & Comp. GMBH. Discharging hot, liquid material from a pressure vessel.

16th December, 1975

2344/Cal/75. Ruti-Te Strake B. V. Warp tension controller.

2345/Cal/75. Ruti-Te Strake B. V. Warip tension controller.

2346/Cal/75. Arun Kumar Chatterji. Copying apparatus. [Divisional date June 8, 1973.]

2347/Cal/75. BBC Brown, Boveri & Company Limited. Turbine regulation for a heating power station.

17th December, 1975

2348/Cal/75. Sandoz Ltd. Improvements in or relating to organic compounds. (December 19, 1974).

2349/Cal/75. Societa Italiana Resine S.I.R. S.p.A. Process for the production of nitric acid.

2350/Cal/75. National Acceptance Company of America. Walking doll.

2351/Cal/75. Ireco Chemicals. Fine flaked aluminium manufacture.

2352/Cal/75. Tokyo Engineering Co., Ltd. Ignition device for cigar or cigarette.

2353/Cal/75. General Electric Company. Generator rotor outlets for increased ventilation.

2354/Cal/75. Mcneil Laboratories, Incorporated. Substituted indoles and precursors therefor.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

3rd December, 1975

193/Mas/75. A. Viozat. A conveyor type mechanical arrangement for use in electronic area measuring machines.

194/Mas/75. Mrs. A. V. Janaky Devi. Improved economy cylinder and piston assembly for internal combustion engine.

4th December, 1975

195/Mas/75. V. M. Kulkarni. Modification of dials of the traditional clocks, watches and other time pieces.

9th December, 1975

196/Mas/75. Raman Research Institute. A process for the preparation of 4'-n-alkyl-4-cyanobiphenyls and 4''-n-alkyl-4-cyano-p-terphenyls.

197/Mas/75. Raman Research Institute. A process for the preparation of p-methoxybenzylidene-p'-n-butylaniline and p-etho-xybenzylidene-p'-n-butylaniline.

198/Mas/75. Raman Research Institute. A new process for the preparation of 4-n-alkyl-4'-cyanobiphenyls and 4-n-alkyl-4''-cyano-p-terphenyls.

ALTERATION OF DATE

138278, 60/Bom/73. } Post-dated 11th July, 1973.

138319, 1240/Cal/75. } Ante-dated to 6th April, 1970.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents *at the appropriate office* as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F$_{2}$b & 55E$_{4}$. I.C. C07d 41/08. & A61k 25/00.

130044.

PROCESS FOR THE PREPARATION OF OPTICAL ISOMERS OF HEXAHYDRO-AZEPINES.

JOHN WYETH & BROTHER LIMITED, OF HUNTERCOMBE LANE SOUTH, TAPLOW, MAIDENHEAD, BERKSHIRE, ENGLAND.

Application No. 130044 filed January 25, 1971.

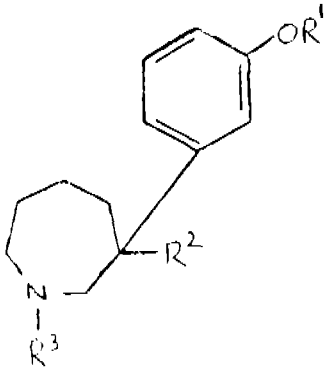
Convention date February, 6, 1970(5804/70) U.K.

Addition to No. 122652.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for preparing the optical isomers of compounds of the general formula I.



or the acid addition salts thereof, in which R^1 is a hydrogen atom, a lower alkyl radical, a benzyl radical or a lower alkanoyl radical, R^2 is a lower alkyl radical, R^3 is a hydrogen atom or a lower alkyl, alkenyl, alkynyl, cyclopropylmethyl lower alkanoyl, alkoxycarbonyl, formyl, phenacyl, phenethyl or β-benzoylethyl group and the term "lower" means that the radical contains up to 6 carbon atoms which process comprises resolving a racemic compound of formula (I) by a known method and if desired, converting an obtained optically active isomer of formula (I) to another compound of formula (I) by a known method of alkylation, acylation, hydrolysis, hydrogenolysis, formylation or reduction and, if desired isolating the product as an acid addition salt by a known method.

B29J 5/00. 138270.

CLASS 48A$_1$, 152E & 155B. I.C.-C08K 1/32, B29J 1/00,

A RESIN COMPOSITION AND AN ELECTRICAL MEMBER COATED THEREWITH.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1399/72 filed September 13, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A resinous composition comprising by weight (A) 85 to 115 parts of a glycidyl ether of bis-phenol A or of a novolac; (B) 100 to 155 parts of an acid anhydride; and (C) 25 to 95 parts of a diglycidyl ether of neopentyl glycol as a reactive diluent.

CLASS 129F. I.C.-B23C 3/00. 138271.

GRINDING ATTACHMENT FOR THE UNIVERSAL MILLING MACHINE.

THE TATA IRON & STEEL COMPANY LIMITED, JAMSHEDPUR, BIHAR, INDIA.

Application No. 764/Cal/73 filed April 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A grinding attachment for use with a universal milling machine comprising an arbor mounted on the main spindle of the universal milling machine to rotate therewith, said arbor driving a shaft disposed transversely to the same, the driving means comprising a worm wheel mounted on the arbor in mesh with a worm pinion on the said shaft, additional drive means for stepping up the speed available from the said shaft to a second shaft, a grinding wheel mounted on said second shaft, a sliding head fitted to the head of the milling machine, said second shaft and means for mounting the arbor being fitted to the said sliding head.

CLASS 63A$_3$ & I. I.C.-H02K 19/00, H02m 7/00. 138272.

RECTIFIER ASSEMBLY FOR BRUSHLESS EXCITATION SYSTEMS.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 2238/Cal/73 filed October 9, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A brushless excitation system, for a dynamoelactric machine, in which system are incorporated an alternating current exciter and a rotating rectifier assembly having a rectifier wheel mounted on a shaft and insulated therefrom, a rectifier module adapted to be mounted on said wheel, said module comprising conducting base means, two diode assemblies, each of said diode assemblies having a disc-type rectifier diode disposed between two heat sinks in electrical and thermal contact therewith, one heat sink of each diode assembly engaging the base means and the two diode assemblies being disposed so that the diodes are of opposite polarity with respect to the base means, spring means for applying force to the other heat sink of each diode assembly to maintain contact between said one heat sink and the base means and between the diode and the heat sinks of each assembly, a fuse adjacent each diode assembly, means for electrically connecting each fuse separately to the adjacent diode assembly, and means for making electrical connection to the base means.

CLASS 161A. I.C.-E01C21/00. 138273.

ROAD GRADER BLADE SUPPORT.

BLAIR MANUFACTURING CO. INC., OF 929 EAST WASHINGTON STREET, BLAIR, NEBRASKA, UNITED STATES OF AMERICA.

Application No. 2353/Cal/73 filed October 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A ground grader comprising a chassis having propelling wheels and guiding wheels, a drawbar mounted on the front of the chassis for pivotal movement about a vertical axis and extending rear-wardly of the chassis, a circular carrier mounted on the drawbar for angular adjustment relative thereto, a horizontally disposed grader blade secured to the circular

carrier for engaging the ground, resilient means on the chasis biasing the drawbar downwardly and resiliently supporting the drawbar, a tongue having a front end mounted of the carrier for a pivotal movement about a vertical axis, an axle housing supporting an axle carrying ground-engaging blade support wheels, a piston and cylinder assembly connected between the tongue and the axle housing for vertically adjusting the axle relative to the tongue and including a cylinder and piston, a first tubular guide of rectangular cross section disposed in an up-right position around the cylinder and secured to the tongue and the cylinder, and a second tubular guide of rectangular cross section telescopically mounted relative to the first guide and secured to the axle housing and connected to the piston rod.

CLASS 80C+E F. I.C.-B01d 25/12, 27/08. 138274.

FLUID FILTER ASSEMBLIES.

SPERRY RAND CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 48084, UNITED STATES OF AMERICA.

Application No. 2628/Cal/73 filed November 29, 1973.

Convention date June 21, 1973/(174,608) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A fluid filter assembly comprising a body having a cavity open at the bottom and having inlet and outlet connection terminals communicating with the cavity, a closure member removably mounted on the body to close the open bottom of the cavity, a hollow flow directing unit secured in the top of the cavity and having a first opening in sealed communication with one of the terminals to separate the terminals from one another, an annular filter cartridge removably retained between the flow directing unit and the closure member with a downwardly directed second opening in the flow directing unit sealed to one end of said cartridge, a normally closed bypass valve mounted in a third opening in said flow directing unit communicating with the other of said terminals, an indicator on top of the body, a rotary drive shaft connecting the indicator to the bypass valve for indicating the opening action of the valve, and means in the cavity sealing the end of the shaft against fluid pressure in the cavity.

CLASS 146C. I.C.-G01n 25/62. 138275.

IMPROVED WHIRLING PSYCHROMETER FOR MEASURING THE HUMIDITY OR HYGROMETRIC STATE OF AIR.

GIRDHARI BALRAM RADHKRISHNANI, C/O. BLUE STEEL ENGINEERS PRIVATE LIMITED, 144, A-Z INDUSTRIAL ESTATE, FERGUSON ROAD, BOMBAY-12, MAHARASHTRA STATE, INDIA.

Application No. 89/Bom/73 filed March 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

A whirling psychrometer comprising a main aluminium body on which is fitted one wet bulb and one dry bulb thermometer, a transparent acrylic water box to the lower end of the main body, characterised by that the water box is slidable in between a groove provided in the main body and a spring fixed to the main body running inside a groove on the other side of the acrylic water box, the main body being rotatably mounted at the top on a spindle of a socket to whirl around the spindle, the socket being fitted with a collapsable handle attached with a spring and three scales known as 'RH', 'WET' and 'DRY' scales fixed on the back side of the main body.

CLASS 86-B. I.C.-A47C 17/00. 138276.

IMPROVED SOFA-CUM-BED.

SAM SORABJI MOTAFRAM, 176, MAHATMA GANDHI ROAD, POONA-1, MAHARASHTRA STATE INDIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved sofa-cum-bed comprising (i) portable sturdy frame with a back rest being mounted on two arms welded to the said sturdy frame (ii) a slideable base being fixedly mounted with a bed the said slideable base being fixed to the said sturdy frame by plurality of toggle levers, characterised in that the said bed is being capable of attaining bed position or sofa position by being pulled out or pushed in respectively in relation to the said back rest with the help of the said plurality of toggle levers,

CLASS 89. I.C.-G01b 3/00. 138277.

A COMBINED OUTSIDE-INSIDE CALLIPER WITH SCALE.

MOTI DHARAMDAS SADARANGANI, 2/6, VIVINA BUILDING, SWAMI VIVEKANAND ROAD, ANDHERI (WEST), BOMBAY-400058, MAHARASHTRA, INDIA.

Application No. 175/Bom/73 filed May 14, 1973.

Appropriate office for opposition Proceedings (Ruly 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A combined outside-inside calliper with scale comprising – a fixed segmental plate firmly fitted at its centre with a handle through one or more arms, graduated scale or scales either in mm or in inches or in both fitted on the said segmental plate near the circumference, – a rotating member pivoted to the same centre with the segmental plate, the rotating member consisting of three fixed radial arms angularly disposed at intervals, – one arm being the outside measuring arm substantially arc shaped and ended to a contact lip similar to arm of conventional outside calliper, – the second arm being the inside measuring arm ended to a contact lip and of conventional shape similar to arm of inside calliper and the third arm being the indicator arm extending right upto the scales of the fixed segmental plate and carries pointer or pointers moving over the said scales, the movable member being further provided with a projecting thumb lug situated near to the handle for rotating the rotating member, whereby the said fixed segmental plate which is in the form of an arc of a circle, – is extended along its arc at one end and finished to a contact lip the end portion being shaped reverse to the outside measuring arm of the rotating, member and both the member so angularly disposed that the contact lips of the segmental plate and that of the movable outside measuring arm are in contact with each other at the zero position of the graduated scale indicated by the pointers, and the fixed segmental plate is further provided with another extended arm for inside measurement, the said arm ending to a contact lip thereby constituting the opposite half of the corresponding inside measuring arm of the rotating member and so angularly disposed that the contact lip of the fixed arm and that of the movable inside measuring arm are in contact with each other with the zero, setting of the scale the calliper being further provided with a quick return spring and a stop or adjusting means.

CLASS 195C. I.C.-F16K 1/46. 138278.

A "Y" SHAPED VALVE.

SHIRISH PURSHOTTAMDAS MEHTA AND SHAILESH

PURSHOTTAMDAS MEHTA, AT SHIV-SADAN, NEAR KADAVA PATIDAR HOSTEL, PANCHVATI, AHMEDABAD-6, GUJARAT, INDIA.

Application No. 60/Bom/73 filed February 19, 1973.

Post-dated to July 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A Y-type valve, cock or the like with a gland nut characterised in that a packing seal is provided between the gland nut and valve body around spindle carrying valve plate, said seal comprising at least two packing rings of rubber positioned one above the other, the gland nut being connec ed to valve cover around the spindle by bolts.

CLASS 50B + D. I.C.-F24f 3/14. 138279.

IMPROVEMENTS IN OR RELATING TO AIR COOLERS.

RAM NARAIN KHER, C/O. M/S. WOX INDUSTRIES, RESIDENCY ROAD, NAGPUR, MAHARASHTRA STATE, INDIA.

Application No. 4/Bom/73 filed January 4, 1973.

Application No. 132/Bom/74 filed January 4, 1973.

One Complete Specification let under Section 9(2) of the Patents Act, 1970.

Appropriate office for opposition Proceedings (Ruly 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

Improvements in or relating to air coolers of the type described herein comprising of one or more free air inlets at one or more sides of the air cooler, a water distribution tray where water is collected, said air inlets having control means to control the width of the opening of the air inlets and wherein the free air inlets are arranged below the lever of the wa er soaked material or above the same but below the level of the exhaust fan.

CLASS 160C. I.C.-B61d. 138280.

ROADWAY TRAIN.

CHERUKUR KRISHNASWAM BHASKAR, OF 3-A, NUNGAMBAKKAM HIGH ROAD, MADRAS-34, TAMIL NADU, INDIA.

Application No. 62/Mas/73 filed April 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A roadway train comprising a number of frames connected in series, in which each two adjoining said frames being fitted by a trailer turn table characterised in that a multiple axle unit is provided below each said trailer turn table, the said multiple axle unit having a number of axles fitted to the said frames by axle turn table, one axle of the said multiple axle unit is capable of being fitted below the said trailer turn table called the central axle of the said multiple axle unit, all axles including said central axle of the said multiple axle unit are steerable by a self steering means, the axles fitted at the extreme ends of the train being manually steerable so that the said train can be driven from either end, the said self steering means steer all the said axles of the said multiple axle unit such that the axis of all the said axles of the said multiple axle unit when produced meet the vertical line over the centre of curvature of the curve over which the said multiple axle unit passes thereby making the all the wheels of the said multiple axle unit roll freely, a driving means to drive at least one axle of the said multiple axle unit, and a braking means to brake simultaneously all the said wheels of the said train both while in motion as well as stationary.

CLASS 9D & 129q. I.C.-C22C 39/16. 138281.

PROCESS FOR THE MANUFACTURE OF AN IRON-BASE MATERIAL FOR WELDING PARTS IN STEEL.

TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHNOLOGII MASHINOSTROENIA, OF SHARIKOPODSHIPNIKOVSKAYA ULITSA 4, MOSCOW. U.S.S.R.

Application No. 512/Cal/73 filed March 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for the manufacture of an iron-base material for welding articles in steel containing (weight per cent) chromium 11.0 – 13.5, nickel 1.8 – 3.0, silicon 0.1 – 0.5, manganese 0.3 – 1.0, carbon 0.002 – 0.015 and the balance iron.

CLASS 193 & 194C_{3a}+C_{6a}. I.C.-H01J 5/04, 61/30, 61/36, 61/54. 138282.

CERAMIC DISCHARGE LAMP WITH STARTING ELECTRODE.

EGYESULT IZZOLAMPA ES VILLAMOSSAGI RESZVENYTARSASAG, OF VACI UT 77, BUDAPEST IV, HUNGARY.

Application No. 749/Cal/73 filed April 2, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Gas discharge lamp with a cylindrical envelope made *e.g.* of aluminium oxide which a· its ends contains cathodes with emitting coats and is closed by end caps that at least partly are conductive of electricity, characterized by one of the electric conductor, practically metallic layer, of the cathode being conducted on the outer side of the lamp, and in addition, in the proximity of the cathode, between the inner and outer sides of the envelope, another electric conductor, practically metallic layer, insulated from the cathode connection being provided.

CLASS 71B+E+F. I.C.-E02f 3/44, E02f 3/18. 138283.

HYDRAULIC OPERATING SYSTEM FOR A BUCKET-WHEEL EXCAVATOR.

ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT, OF 1000 BERLIN 20, BRUNSBUTTELER DAMM 144 – 208, FEDERAL REPUBLIC OF GERMANY.

Application No. 1576/Cal/73 filed July 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An hydraulic operating system for a mobile bucket excavator having

an hydraulic bucket-driving motor for driving a rotatable bucket-wheel carried on a jib,

an hydraulic jib-driving motor for swivelling the jib about an upright axis whereby to advance the bucket-wheel sideways, and

an hydraulic propulsion motor for propelling the excavator from one operating position to another; the system including

a digging control means for controlling the supply of working fluid by a first pressure fluid supply source to the bucket-driving motor,

a first power-limiting control means responsive to the resistance to digging encountered by the buckets for automatically reducing the rate of supplying working fluid from the said supply source to the bucket-driving motor as the said resistance to digging rises above a predetermined high value whereby to prevent the power supplied to that motor exceeding a predetermined limiting value,

a swivel control means for controlling the supply of working fluid from a second pressure fluid supply source to the jib-driving motor in dependence upon the setting of a swivel control member, and

a second power-limiting control means responsive to the said resistance to digging for automatically reducing the rate of supplying working fluid from the said second supply source to the jib-driving motor as the resistance to digging rises above a predetermined value whereby to reduce the rate of swivelling the jib relative to the value indicated by the setting of the swivel con rol member.

CLASS 67C, 105C 147E. I.C.-G06K 5/00. 138284.

DIGITAL DATA COPY DUPLICATION METHOD AND APPARATUS UTILIZING BIT TO BIT DATA VERIFICATION.

BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1893/Cal/73 filed August 16, 1973.

Convention date July 18, 1973/(34221/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A tape duplication system for generating magnetic tape copies of information recorded in binary form on a master magnetic tape, comprising : a master tape drive having a tape therein carrying information represented as binary bits;

a slave tape drive having a tape therein that is blank; means for writing binary information bits previously read from the tape in said master tape drive into the tape in said slave tape drive as other binary information bits are read from the tape in said master tape drive; means for storing less than all the binary information bits as they are written on the tape in said slave tape drive; means for reading binary information bits from the tape in said slave tape drive as other binary information bits are being written on the tape in said slave tape drive, means for temporarily storing one bit of the binary information on said slave tape drive as it is read from the tape in said slave tape drive; means for removing the binary information bit that corresponds with the bit presently in said temporary store means from said storing means; and means for comparing the bit removed from said storing means with the bit in said temporary storing means.

CLASS 172D$_6$. I.C.-D01h 1/00. 138285.

METHOD OF AND APPARATUS FOR STOPPING AN OPEN-END SPINNING MACHINE.

VYZKUMNY USTAV BAVLNARSKY, OF USTI NAD ORLICI, CZECHOSLOVAKIA.

Application No. 2156/Cal/73 filed September 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of stopping an open-end spinning machine controlled by a control mechanism which, within a pre-adjustable time sequence, switches off the respective drive means of active machine organs, including the drive means for the driving belt of combing-out cylinders of spinning units, and simultaneously provides for braking said drive means, characterised in that after switching off the drive means for the driving belt of combing-out cylinders and actuating a brake incorporated in said drive means, said brake is disengaged by said control mechanism before the driving belt has come to a complete standstill, and wherein the said control mechanism 21 comprises a sensor (20) for scanning the movement of the drive means for combing-out cylinders of a fibre separating device (4), said sensor (20) being a tachometric scanner or a time switch.

CLASS 131B$_2$. I.C.-B27G 15/00. 138286.

BORE HOLE HAMMER DRILL.

BAKERDRILL, INC., OF -S.C. 57, 1 MILE SOUTH OF I-85, SPARTANBURG, SOUTH CAROLINA 29301, UNITED STATES OF AMERICA (POST OFFICE BOX 6130 – SPARTANBURG, S. C. 29301).

Application No. 782/Cal/74 filed April 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

In percussion drilling apparatus : a housing structure connectable to a drill string; an anvil in the lower portion of said housing structure and operatively connectable to a drill bit; a hammer piston reciprocable in said housing structure for intermittently impacting against said anvil, said piston having an upper passage; inlet means for direction a fluid medium under pressure into said passage; first passage means for directing the fluid medium from said passage into said housing structure above said piston upon upward movement of said piston in said housing structure for driving said hammer piston downwardly toward said mandrel; second passage means for directing the fluid medium from said passage into said housing structure below said piston upon downward movement of said piston in said housing structure for elevating said piston in said housing structure; means for alternately exhausting the fluid medium from the housing structure above and below said pis'on; stop means for supporting said anvil in a lower position in said housing upon elevation of said housing; means defining a fluid circulating path from the interior to the exterior of said housing when said anvil is supported by said stop means; and valve means for closing off said second passage means when said anvil is supported by said stop means.

CLASS 17A$_1$, A23L 1/10. 138287.

IMPROVED PROCESS FOR PREPARING A SOYBEAN BEVERAGE.

KWEE-SEONG LO, OF 52-54, HOI YUEN ROAD, KWUN TONG, KOWLOON, HON KONG.

Application No. 1463/72 filed September 20, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of a soybean beverage comprising (1) dehulling the beans, compressing them into

flakes and grinding the resulting product, thus obtaining a full fat soy enzyme-active flour, (2) soaking in water in the proportion of 8 parts of water per 1 part of said full fat soy enzyme-active flour, said flour being of approximate composition :

Protein	**42%**
Fat	21%
Ash	5%
Fiber	3%
Carbohydrates	24%
Moisture	5%

(3) cooking at the boiling point for 30 minutes, (4) adding flavouring components and (5) homogenizing the product under pressure to reduce the size of the soybean particles not in excess of 10 microns.

CLASS 40B. I.C.-B01J 11/00. 138288.

PROCESS FOR PREPARING MANGANESE CONTAINING COMPLEX CATALYST COMPOSITIONS.

LAMBEG INDUSTRIAL RESEARCH ASSOCIATION, OF THE RESEARCH INSTITUTE, LAMBEG, COUNTRY ANTRIM, NORTHERN IRELAND.

Application No. 1044/Cal/73 filed May 4, 1973.

Convention date May 5, 1972/(20924/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

A process for preparing a manganese containing complex catalyst composition which is the reaction product of a monosaccharide, oligosaccharide, polysaccharide, or other water soluble polymer containing hydroxyl groups with a permanganate and which has ions other than manganese from periods 4, 5, and/or 6 of the periodic table, boron and/or aluminium incorporated therein, which process comprises adding a solution of a permanganate to a solution of monosaccharide, oligosaccharide, polysaccharide or other water soluble polymer, containing hydroxyl groups, allowing the reaction mixture to gel, or form a precipitate, separating the gel or precipitate from the liquor supernatent thereto, and treating the gel or precipitate with a solution containing one or more salts of metals other than manganese in periods 4, 5 or 6 of the periodic table and/or a solution containing salts of boron or aluminium.

CLASS 191. I.C.-B41J 5/00, 7/00. 138289.

IMPROVEMENTS IN OR RELATING TO A TYPING MACHINE FOR SELECTIVELY TYPING ON A SHEET A LARGE NUMBER OF CHARACTERS.

TOKYO JUKI KOGYO KABUSHIKI KAISHA, OF NO. 8-2-1, KOKURYO-MACHI, CHOFU-SHI, TOKYO, JAPAN.

Application No. 1387/Cal/73 filed June 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A typing machine for selectively typing on a sheet a large number of characters, said machine comprising :

(I) a printing assembly containing thereon a plurality of characters and mounted to bring a selected of said characters to a printing position said printing assembly comprising :

(A) a first plate rotatable about a first longitudinal axis, a plurality of printing cylinders each rotatably mounted on second axis parallel to said first axis about the periphery of said first plate, said printing cylinders having about the periphery thereof rows of characters extending parallel to said first axis.

(B) at least one carrousel including a second plate rotatably mounted about a third axis parallel to said first axis about said first plate between adjacent of said printing cylinders;

(C) said at least one corrousel having a plurality of auxiliary printing cylinders each rotatable about fourth axis, parallel to said first axis, about the periphery of said second plate, each of said auxiliary printing cylinders having about the periphery thereof rows of characters extending parallel to said first axis;

(D) at least one row of characters, extending parallel to said first axis, fixedly mounted to said second plate about the periphery thereof between adjacent of said auxiliary printing cylinders; and

(E) at least one row of characters, extending parallel to said first axis, fixedly mounted to said first plate about the periphery thereof between adjacent of said printing cylinders and said at least one carrousel; and

(II) hammer means mounted adjacent said printing position for forcing a sheet against a selected of said characters when said printing assembly has brought said selected character to said printing position.

CLASS 94F+G. I.C.-B02C 19/00, 23/00. 138290.

MILL FOR THE SIZE-REDUCTION OF PARTICULATE MATERIALS.

GEOCHEMICAL SERVICES (HOLDINGS) LIMITED, OF 78 WIMPOLE STREET, LONDON W1N 1DA, ENGLAND AND 139, WHISTABLE ROAD, CANTERBURY, KENT, ENGLAND, FORMERLY OF 22, STOUR STREET, CONTERBURY, KENT, ENGLAND.

Application No. 2282/72 filed December 30, 1972.

Convention date January 3, 1972/(71/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A mill for the comminution by mutual attrition of particulate material entrained in a gas, comprising a cylindrical chamber arranged with its axis horizontal, line with flat side plates divided into a plurality of segments, and having curved peripheral side walls made from a plurality of abutting plates, which segments and plates can be separately removed and replaced.

CLASS 32C, 40F & 55E, I.C.-A61K 17/00, 19/00, 19/02. 138291.

APPARATUS FOR PRODUCING LOCALIZED TURBULENCE ON SUPPORT DISCS.

WORTHINGTON BIOCHEMICAL CORPORATION, OF FREEHOLD, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 568/Cal/73 filed March 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Apparatus for producing local turbulence and thereby maximizing contact between an immobilized biological reactant and a substrate solution comprising :

(a) an elongated vessel having an inlet port and an outlet port through which the substrate solution is passed;

(b) an axle disposed through the longitudinal center of the elongated vessel for rotation within the vessel;

(c) a plurality of reaction discs for supporting the immobilized biological reactant, said reaction discs being mounted on said axle in a spaced apart configuration, for rotation with said axle disposed within the elongated vessel;

(d) a plurality of stationary flow baffles, each said flow baffle being disposed within the elongated vessel and affixed to the inside wall of the elongated vessel, each said flow baffle having an inner circumference which forms a ring around the axle, said inner circumference being large enough to allow passage of the axle and to allow the axle to freely rotate, one said flow baffle being positioned between each of said reaction discs to form an alternating configuration between each reaction disc and each flow baffle; and

(e) means to rotate the axle within the elongated vessel.

CLASS 32C & 55E$_1$+E$_4$. I.C.-C12d 9/22, 9/14. 138292.

PROCESS FOR THE PRODUCTION OF ANTIBIOTICS PLATOMYCIN A AND B.

KYOWA HAKKO KOGYO CO., LTD., OF 6–1, OHTE-MACHI-ITCHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 358/Cal/74 filed February 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the production of the antibiotics platomycin A and B, which comprises; culturing a microorganism belonging to the genus *Streptosporangium*, which is capable of producing platomycin A and/or B, in a nutrient medium; accumulating the antibiotics platomycin A and/or B in the culture liquor; and thereafter recovering the antibiotics platomycina A and/or B therefrom.

CLASS 50E$_2$. I.C.-F25d 15/00. 138293.

IMPROVEMENT IN OR RELATING TO REFRIGERATORS.

PURUSHOTTAM MAHADEO CHAUBAL, AT RAMKRISHNA NIKETAN, NEAR ICE FACTORY, NAUPADA, THANA-2, MAHARASHTRA STATE, INDIA.

Application No. 108/Bom/72 filed November 29, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims. No drawings.

A self contained device intended for drying or dehydrating substances and for recovering crystals from their solvents and also for extracting oils or volatile compounds from substances containing them by subjecting the said substances to a deep freeze temperature under vacuum conditions comprising of the storage chamber for storing substances to be treated which is connected to a vacuum forming device such as a vacuum pump which is further connected to a deep freeze compartment by means of non-collapsible pipes of suitable size and length in such a manner that one end of the storage chamber is connected to the suction orifice of the said vacuum pump, the discharge orifice of which is connected to one end of a deep freeze compartment while the other end of the said deep freeze compartment is connected to the other end of the storage chamber in such a way that when all the points of aforesaid connections are air tight, there is a free flow of air or gas from the storage chamber through the suction orifice of the said vacuum pump and through the discharge orifice of the pump into the deep freeze compartment and from there back to the storage compartment.

CLASS 13^{1}B$_1$. I.C.-E21b 11/00. 138294.

ROTARY BORE HOLE AIR HAMMER DRIVE MECHANISM.

BAKERDRILL, INC., OF S.C. 57, 1 MILE SOUTH OF I-85, SPARTANBURG, SOUTH CAROLINA 29301, UNITED STATES OF AMERICA, (POST OFFICE BOX 6130—SPARTANBURG, S.C. 29301).

Application No. 783/Cal/74 filed April 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

In hammer drilling apparatus comprising; a housing structure connectible to a drill string; an anvil in the housing structure; a piston reciprocable in said housing structure for intermittently impacting against said anvil; drive means for transmi ting rotary motion from said housing structure to said anvil including a drive segment interposed between said anvil and said housing, and generally radially projecting walls on said segment, on said anvil and on said housing for transmitting torque between said anvil and said housing without forcing said segment outwardly into engagement with said housing.

CLASS 206-I. I.C.-H04b 7/14. 138295.

IMPROVEMENTS IN OR RELATING TO RADIO RELAY SYSTEMS.

SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Application No. 709/Cal/74 filed March 29, 1974.

Convention date August 16, 1973/(38763/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A radio relay system in which monitoring means are provided, said system comprising a plurality of radio links between adjacent relay stations to form a communication channel, and said monitoring means comprising a transit time measurement device which transmits measuring signals from one terminal station of said system to the other, said signals being produced by a signal generator arranged in the transmitting end station, that is operated in such manner tha firstly a constant auxiliary frequency signal is modulated onto the measuring signals in the transmitting end station and a transit time measurement is carried out over the entire radio relay system, and subsequently the transmission of the auxiliary frequency from the transmitting end station is terminated and a respective signal source provided in each relay station, which source produces an auxiliary frequency signal, is selectively connected into the radio relay link in turn, the auxiliary frequency signal in each case being modulated onto the measuring signals from the transmitting end station, so that the transit time between the relevant relay station and the receiving end station of the radio relay system measured by a device provided therein.

CLASS 14C+D$_2$. I.C.-H01m 17/02. 138296.

ALKALINE GALVANIC CELL.

FAAT KHATOVICH NABIULLIN, 3 MYTISCHINSKAYA ULITSA, 14 "A", KV. 90, MOSCOW, USSR. (2) ZOYA MIKHAILOVNA BUZOVA, 3 MYTISCHINSKAYA, ULITSA, 14 "A", KV. 78, MOSCOW, USSR, (3) EFIM MIKHAILOVICH, GERTSIK, MALOMOSKOVSKAYA ULITSA, 3, KV, 92, MOSCOW, USSR, (4) IVAN IVANOVICH KOVAL, NOVO-PESCHANAYA ULITSA, 23/7, KV, 369 MOSCOW, USSR, (5) VLADIMIR MIKHAILOVICH MASLOV, ULITSA MEDVEDEVA, II/6, KV. 1, MOSCOW, USSR AND (6) LIUDMILA NIKOLAEVNA KHAMITS, ULITSA SHIROKAYA, 24, KV. 83, MOSCOW, USSR.

Application No. 514/Cal/74 filed March 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An alkaline galvanic cell comprising a positive electrode having a terminal which forms a housing, and a negative electrode of pasty zinc having a bar terminal, said electrodes being arranged coaxially and separated by a ion-permeable membrane, a washer and a spacer of an electrically insulating material mounted adjacent the end faces of the electrodes, and a seal assembly including a metal cap and a gasket with a hub made by reinforcing an electrically insulating plastic material, the washer located on the side of the metal cap being provided with a hub, and the inside diameter of the hubs, spacer and said washer being smaller than the diameter of the bar terminal, while the metal cap is provided with holes filled with the plastic material of the gasket and is adapted to form passages in the gasket body by punching so as to provide for air access to the positive electrode.

CLASS 146B+C, I.C.-G11b 3/46. 138297.

MEANS FOR MOUNTING A PEN DRIVE IN A CHART RECORDER OR THE LIKE.

SYBRON CORPORATION, OF 1100 MIDTOWN TOWER, ROCHESTER, NEW YORK 14604, UNITED STATES OF AMERICA.

Application No. 467/Cal/74 filed March 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Means for removably mounting a pen drive in the housing of a chart recorder or the like comprising :

(a) a bracket supported in said housing above a base of said housing, said bracket having a through opening;

(b) a guide rod supported at one end in said opening, the second end of said rod being releasably supported on said base;

(c) a pen drive assembly slidably mounted on said rod;

(d) a spring plate member mounted flush against and pivoted to said bracket for movement in a plate parallel to the plane of said bracket between a first and a second position;

(e) said spring plate having bearing means aligning with said through opening for bearing axially against said rod when said spring plate is in said first position to hold said rod against said base; and

(f) said spring plate having an opening which aligns with said through opening when said spring plate is in said second position, whereby said rod may be moved axially through said bracket and plate openings to release said rod from said base when said spring plate is in said second position.

138298.

CLASS 130D, I.C.-C22b 21/02, C22b 53/00, C22b 61/00.

REDUCTION OF METALLIC CHLORIDE BY POWDERED METAL.

TOTH ALUMINUM CORPORATION, OF 5010 LEROY JOHNSON DRIVE, NEW ORLEANS, LOUISIANA 70126, UNITED STATES OF AMERICA.

Application No. 2227/Cal/73 filed October 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for producing a metal comprising the steps of providing a chloride of the metal to be produced, which metal chloride is in a fluid phase; providing a reductant metal in solid phase; reacting said fluid metal chloride and reductant metal in a vessel at a temperature and pressure at which they will maintain their respective phases, the reductant metal reducing the fluid metal chloride and forming an essentially elemental form of the metal being produced and a chloride of the reductant metal.

CLASS 69G, I.C.-H01h 21/00. 138299.

ELECTRICAL SWITCHES.

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 1930/Cal/73 filed August 22, 1973.

Convention date September 2, 1972/(40796/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An electrical switch comprising a body including an electrically insulating base, first, second, third, fourth, fifth and sixth pairs of electrical contacts mounted on the base, the first and second pairs of contacts being mounted in transversely spaced relationship adjacent one end of the base, the third and fourth pairs of contacts being mounted in transversely spaced relationship adjacent the other end of the base, an operating member pivotally mounted relative to the base to be movable between a central position and a pair of pivoted positions, first, second third, fourth, fifth and sixth cam means mounted for movement with the operating member adjacent the first, second, third, fourth, fifth and sixth pairs of contacts respectively, the cam means being so arranged that, in the central position of the operating member the fifth and sixth pairs of contacts are closed whilst the remaining pairs of contacts are open, in one of the pivoted positions of the operating member the first and third pairs of contacts are closed whilst the remaining pairs of contacts are open, and in the other pivoted position of the operating member the second and fourth pairs of contacts are closed whilst the remaining pairs of contacts are open.

CLASS 98G, I.C.-F28d 7/02. 138300.

A FIN AND TUBE TYPE HEAT EXCHANGER ASSEMBLY.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1680/Cal/73 filed July 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A fin and tube type heat exchanger assembly comprising a fin strip helically wound on a tube, said fin strip including a base portion in heat exchange relation with the outer surface of said tube, and at least one outwardly directed leg portion, said or each leg portion having formed therein a series of alternate and intermediate slits spaced from each other in the longitudinal direction of the leg portion and extending transversely relative thereto, characterized in that said slits are staggered relative to each other such that each alternate slit extends from a point adjacent said base

portion to a point spaced from the outboard longitudinal edge of the leg portion by a distance which is less than the distance between any two successive slits, and each intermediate slit extends from said outboard longitudinal edge inwardly to a point well short of said base portion.

CLASS 47B+84A. I.C.-C10J 3/06, C10L 9/04, 9/06.

138301.

A PROCESS FOR THE GASIFICATION OF PRETREATED COAL.

BITUMINOUS COAL RESEARCH, INC., 350 HOCHBERG ROAD, MONROEVILLE, PENNSYLVANIA 15146, UNITED STATES OF AMERICA.

Application No. 608/Cal/73 filed March 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the gasification of a pretreated coal comprising passing a partially gasified recycle char through a first gasification zone while reacting said char with superheated steam and oxygen at a temperature of at least 2,5000°, and at a pressure of at least 50 atmospheres to yield a first zone synthesis gas comprising hydrogen and oxides of carbon, passing through a second gasification zone the pretreated coal, superheated steam and said synthesis gas for reaction in said second zone at a temperature of at least 1600°F. and at a pressure of at least 50 atmospheres to yield a second zone product comprising partially gasified char entrained in a second zone product gas comprising methane, hydrozen and oxides of carbon, withdrawing and separating the product gas and the partially gasified char, recycling at least part of separated char to the first gasification zone, introducing coal into a pretreating zone prior to introducing said coal into the second gasification zone, introducing second zone product gas into the pretreating zone, reacting the coal introduced into said pretreating zone with the second zone product gas at a temperature of between about 600°F. and 950°F. to yield a pretreated product comprising pretreated coal and gases, introducing said pretreated product and superheated steam into the second gasification zone for reaction with synthesis gas from the first zone, and recycling a portion of said second zone product gas to said preheating zone and purifying and methanating the remaining portion of the second zone product gas to yield a final product gas comprising methane in a concentration of at least 70 by volume such as herein described.

CLASS 47B & 84A. I.C.-C10J 3/10, C10L 9/04, 9/06.

138302.

TWO STAGE GASIFICATION OF COAL WITH FORCED REACTANT MIXING AND STEAM TREATMENT OF RECYCLED CHAR.

BITUMINOUS COAL RESEARCH, INC., 350, HOCHBERG ROAD, MONROEVILLE, PENNSYLVANIA 15146, UNITED STATES OF AMERICA.

Application No. 611/Cal/73 filed March 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for the two-stage gasification of coal comprising, passing partially gasified recycle char upwardly through a first zone and reacting said char therein with superheated steam and oxygen to yield a first stage synthesis gas comprising hydrogen and oxides of carbon, controlling the reaction in said first zone by maintaining the temperature in the first zone between about 2200°F and 3800°F, the pressure between about 500 and 2000 psig, the gas velocity between about 2 and 12 feet per second, and retaining the char and other solids in said first zone for a residence time of between about 0.5 and 5 seconds so that rapid gasification of the char at temperature above the melting temperature of ash formed from the char, passing the synthesis gas from the first zone through a mixing zone having a cross sectional area substantially less than the cross sectional area of the first zone, injecting coal and superheated steam into said mixing zone at a velocity that is more than twice the velocity of the gas stream entering the cross sectional area of the mixing zone to mix with the synthesis gas passing therethrough and passing the mixture of steam, coal and synthesis gas from the mixing zone into a second gasification zone, maintaining the velocities of the steam and coal injected into the mixing zone sufficiently high and the direction of flow of the steam and coal to prevent the entry of coal and gases from the second zone into the mixing zone, passing the mixture of coal, steam and synthesis gas upwardly through the second zone while reacting the mixture to yield a second zone product comprise partially gasified char entrained in a second zone product gas including methane, hydrogen and oxides of carbon, controlling the reaction in the second zone by maintaining the temperature in the second zone between about 1500°F and 2000°F, the pressure between about 500 and 2000 psig, the gas velocity of the gases between 2 and 12 feet per second and retaining the coal and other solids in said second zone for a residence time of between about 0.5 and 5 seconds so that rapid gasification of the coal is ensured beyond the range of coal plasticity, withdrawing the second zone product from said zone and separating said product into partially gasified char and second zone product gas, purifying said product gas to remove therefrom oxides of carbon, hydrogen sulfide and other impurities, methanating said purified product gas to yield a fuel gas containing at least 70% methane and recycling the separated partially gasified char to the first gasification zone.

CLASS 47B & 84A. I.C.-C10J 3/00, C10L 9/04, 9/06.

138303.

THREE STAGE GASIFICATION OF COAL.

BITUMINOUS COAL RESEARCH, INC., 350 HOCHBERG ROAD, MONROEVILLE, PENNSYLVANIA 15146, UNITED STATES OF AMERICA.

Application No. 609/Cal/73 filed March 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for gasifying coal comprising, introducing a partially gasified recycle char into a first gasification zone, introducing oxygen and steam into said first gasification zone, reacting said oxygen and steam with said partially gasified recycle char at a temperature of at least 2500°F, a pressure of at least 50 atmospheres, the residence time being less than 2 seconds to produce a first zone synthesis gas comprising hydrogen and oxides of carbon and a slag formed from a molten ash of said partially gasified char, introducing said first zone synthesis gas and said slag into a second gasification zone, introducing coal and steam into said second gasification zone, reacting said coal, steam, first zone synthesis gas and slag in said second gasification zone at a pressure of at least 50 atmospheres; a temperature of at least 1600°F, the residence time being less than 10 seconds to produce a second zone product comprising a second zone partially gasified char entrained in a second zone product gas comprising methane, hydrogen and oxides of carbon introducing said second zone product gas and said second zone partially gasified char into a third gasification zone, forming in said third gasification zone a fluidized bed of said second zone partially gasified char in a fluidizing stream of said second zone product gas, reacting said second zone partially gasified char in said third gasification zone with said second zone product gas in said third gasification zone at a temperature in the range of between 1500 and 1650°F, the residence time of the char being 20 minutes to produce a third zone partially gasified char entrained in a third zone product gas comprising methane, hydrogen and oxides of carbon, removing from said third gasification zone said third zone partially gasified char entrained in said third zone product gas, separating said third zone partially gasified char from said third zone product gas, mixing said third zone partially gasified char with steam to produce said partially gasified

recycle char, recycling said partially gasified recycle char to said first gasification zone, purifying in a manner such as herein described said third zone product gas separated from said third zone partially gasified char to remove carbon dioxide, hydrogen sulfide and other inpurities to produce a purified third zone product gas, and methanating the purified third zone product gas to produce a fuel gas such as herein described containing at least 70% methane by volume.

CLASS 47B & 84A. I.C.-C10J 3/00, C10L 9/04, 9/06. 138304.

TWO STAGE DOWNFLOW GASIFICATION OF COAL.

BITUMINOUS COAL RESEARCH, INC. 350 HOCHBERG ROAD, MONROEVILLE, PENNSYLVANIA 15146, UNITED STATES OF AMERICA.

Application No. 610/Cal/73 filed March 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for gasifying coal comprising, introducing a partially gasified recycle char into a first gasification zone, introducing oxygen and steam into said first gasification zone, reacting said partially gasified char, steam and oxygen in said first gasification zone at a pressure of at least 50 atmospheres, obtaining as products of reaction in said first gasification zone a first zone synthesis gas comprising hydrogen and oxides of carbon and a slag, reacting said steam, oxygen and char in said first gasification zone at a temperature sufficiently high to maintain in the molten state said slag produced in said first gasification zone preferably at a temperature above 2,5000°F moving said oxygen, steam, partially gasified char and slag downwardly through said first gasification zone toward a second gasification zone, introducing into said second gasification zone coal, steam, said first zone synthesis gas and said slag, reacting said coal, steam, slag and first zone synthesis gas in the second zone at a pressure of at least 50 atmospheres, reacting said coal, steam, first zone synthesis gas and slag in the second zone at a temperature controlled to assure solidification of said molten slag preferably at a temperature above 1,600 of obtaining in said second zone a reaction product comprising said partially gasified char and said slag entrained in a second zone product gas comprising methane, hydrogen and oxides of carbon, withdrawing said second zone product gas and said partially gasified char from said second gasification zone, separating said partially gasified char removed from said second gasification zone from said second zone product gas removed from said second gasification zone, recyclinig to said first gasification zone at least a part of said partially gasified char separated from said second zone product gas, and purifying and methanating said second zone product gas separated from said partially gasified char to yield a fuel gas such as herein described containing methane.

CLASS 64B$_1$. I.C.-H01r 31/06. 138205

CURRENT ADAPTOR.

N. V. PHILIPS' GLOEILAMPENFABRIEKEN, OF EMMASINGEL 29, EINDHOVEN, HOLLAND.

Application No. 545/Cal/73 filed March 12, 1973.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A current adaptor, for use in conjunction with a current supply rail, comprising a housing from which a number of contact elements protrude, which can be electrically connected to current conductors accommodated in the current supply rail, said current adaptor having two spring-loaded movable grips attached to the housing and extending on either side of and beyond the housing, whose free ends which are farthest away from the housing are bent towards each other so as to grip around the current supply rail, thus at the same time establishing the connection, characterized in that the grips are hinged to the housing, those sides of each of the grips which extend beyond the pivot viewed from the free end being pressed apart by the action of a spring which is incorporated in the housing.

CLASS 31C & 65B$_2$. I.C.-H01C 1/02, 3/00, H01f 29/02. 138306.

ELECTRICAL RESISTANCE-ELEMENT.

MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK KG., OF 8, FALKENSTEINSTRASSE, 84, REGENSBURG, FEDERAL REPUBLIC OF GERMANY.

Application No. 534/Cal/73 filed March 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrical resistance element comprising at least one meanderwound flat tape of electrically resistive material retained within a frame member and between mutually facing depressions or recesses of two strips of electrically insulating material having end portions received in recesses of the frame member, and respective resilient members to mount he strips on the frame and to urge the strips toward each other.

CLASS 32F$_{2a}$ + F$_{2c}$. I.C.-C07C 103/08. 138307.

MANUFACTURE OF CARBOXAMIDES.

BASF AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 830/Cal/74 filed April 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for the manufacture of carboxamides by the addition of water to nitrile in the presence of a copper-containing catalyst, wherein the reaction is carried out using a catalyst which contains copper and a magnesium silicate which has been manufactured by precipitation of a magnesium compound with an alkali metal silicate in the presence of a copper compound, which catalyst has been treated with a reducing gas such as herein described at elevated temperature, of from 100 to 230°C.

CLASS 39C. I.C.-C01C 1/04. 138308.

AMMONIA SYNTHESIS.

KRUPP-KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, (FORMERLY KNOWN AS HEINRICH KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG), OF MOLTKESTRASSE 29, 43 ESSEN, WEST GERMANY.

Application No. 2054/Cal/73 filed September 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the production of ammonia by synthesis, in which the required synthesis gas is produced by partial oxidation of hydrocarbons and more particularly of carbon in a gasification plant, characterised in that so-called medium-pressure steam at 20 to 55 atmospheres absolute is generated as waste heat steam in the gasification plant.

CLASS 168C. I.C. G08c, 19/00. 138309

APPARATUS FOR OPERATING MULTIPLE-POSITION GAS DISCHARGE DEVICES DIRECTLY FROM SEMICONDUCTOR INTEGRATED CIRCUITS.

BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1739/Cal/73 filed July 25, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Apparatus for operated multiple position display devices having a plurality of groups of cathode elements and an anode associated with each group, corresponding cathodes of the different groups being interconnected, said apparatus comprising means for applying positive-going signal voltage to address the anodes individually, energy storage means coupled to each of the cathode elements to provide drive currents directly to them at a potential suitable to activate a display position having an addressed anode, and means for applying current to the energy storage means to develop a bias on them to energize the selected cathodes and to transfer current to them when the device becomes activated.

CLASS 67C & 206 F.I.C. G01n 21/00, 23/00. 138310.

ANGLE BEAM PROBE FOR ULTRASONIC NON-DESTRUCTIVE TESTING.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 1713/Cal/73 filed July, 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An ultrasonic Angle Beam Probe for ultrasonic non-destructive testing comprising a piezoelectric transducer which when connected to the transmitter of the flaw detector unit converts the electrical purses of required duration and frequency into the ultrasonic waves, which traverse into the job under test at predetermined angle when the proble is placed on it and get reflected from the flaw; a part of the reflected waves. is picked up by the piezoelectric transducer and again converted into electrical pulses which are amplified by the amplifier of the flaw detector unit and displayed on a cathode ray tube screen, whereby the size and position of the flaws can be detected characterised in that the piezoelectric transducer is mounted on a wedge e.g. an acrylic plastic wedge whereby by using a wedge of different angle, the angle of transmission of ultrasonic waves into the specimen can be changed.

CLASS 205H. I.C. B60c 9/02, B60c 5/08. 138311.

PNEUMATIC TYRE.

NAUCHNO-ISSLEDOVATELSKY KONSTRUKTORSKO-TEKHNOLOGI-CHESKY INSTITUT SHINNOI PROMYSHLENNOSTI, ULITSA 5, KORDNAYA, OMSK, USSR.

Application No. 1496/Cal/73 filed June 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A pneumatic tyre assembled on a drum and having a rubber-cord carcass which carries a tread and is made up of cord plies passed round a left bead wire and a right bead wire, said cord plies being wider than 1.5 times the drum width setting, which pneumatic tyre is characterised in that the ends of the plies, which are passed round the right bead wire, join the ends of the adjacent plies, which are passed round the left bead wire, the plies joining in the region of the carcass crown or in the vicinity thereof, and the opposite ends of the joined plies being located near the appropriate bead wires.

CLASS 70C & 129Q. I.C. H01r; 3/00, 138312.

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF ELECTROLYTIC CHROMIUM POWDER.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 1477/Cal/73 filed June 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim. No drawings.

A process for making electrolytic chromium powder which consists of an initial step of electodeposition of chromium using a solution of chromic acid containing 250-300 gpl chromic acid and 2.5-3 gpl sulphuric acid as electolyte at a temperature of 40-50°C with an anode of lead silver (about 1%) alloy and a copper coated stainless steel cathode, the copper coating being 3-4 thou in thickness, electro, deposition of chromium is conducted in a range of cathodic current density of 15-40 amps/sq. dm. preferably 20-30 amps/sq. dm., the area of cathodo to area of anode being around 1 : 3 followed by recovery of deposited chromium as flakes by peeling of copper and chromium together from the stainless steel and dissolving the copper in nitric acid, chromium metal flakes of not less than 98.5% purity thus obtained are powdered to desired sizes by mechanical means.

CLASS $6B_2$ & 122. I.C. B03c 3/00. 138313.

ELECTROSTATIC DUST PRECIPITATOR.

F. L. SMIDTH & CO. A/S. OF 77 VIGERSLEV ALLE, DK 2500 COPENHAGEN VALBY, DENMARK.

Application No. 953/Cal/73 filed April 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An electrostatic dust precipitator having at least one collecting electrode provided with a rapping mechanism which comprises at least one tumbling hammer mounted movably on a horizontal shaft to continually swing doen in a free pendular movement when the shaft is rotated until a flat impact surface of the hammer strikes against a rounded anvil centrally mounted at the end of a rapping bar to move the rapping bar axially to jar the electrode, the rapping bar being urged by the weight of the electrode which is eccentrically mounted to a rest position in which the impact surface of the hammer is, at the moment of impact perpendicular to the axis of the rapping bar and the distance from the centre of rotation of the tumbling hammer to its point of impact with the anvil at the end of the rapping bar being substantially equal to the radius of gyration of the hammer.

CLASS 69G + M. I.C.-H01h 21/00, 23-00. 138314.

ELECTRICAL SWITCH.

THE LUCAS ELECTRICAL COMPANY LIMITED, FORMERLY KNOWN AS JOSEPH LUCAS (ELECTRICAL) LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 666/Cal/73 filed March 24, 1973.

Convention Date March 24, 1972 (13856/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrical switch comprising a plurality of fixed contacts, a movable contact mounted on a carrier, an operating member for effecting movement of the carrier between a first position in which the movable contact electrically interconnects the fixed contacts and a second position in which the movable contact is spaced from the fixed contacts, a set of further fixed contacts, a resilient, conducting member connected to a first of the further fixed contacts and biassed to be connected electrically with a second of the further fixed contacts when the carrier is in one of its two positions, and means on the carrier, when in its other position, for urging the resilient member out of electrical connection with the second of the further fixed contacts and into electrical connection with a third of the further fixed contacts.

CLASS $6B_2$ 47C. I.C.-F25J 3/02., C10B 57/00. 138315.

METHOD AND APPARATUS FOR OBTAINING A DRIED GAS FROM THE GAS OBTAINED BY COAL GASIFICATION.

GUTEHOFFNUNGSHUTTE STERKRADE AKTIENGESELLSCHAFT, OF BAHNOFSTRASSE 66, 42 OBERHAUSEN-STERKRADE, WEST GERMANY.

Application No. 74/Cal/73 filed January 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of obtaining a dried gas from the gas obtained by the gasification of coal or coal dust, characterised by the

steps of compressing the gas in several stages, removing the gas from a higher stage and prior to its entrance into a subsequent stage and cooling and separating the liquid from at least a portion of the gas by passing through a cooling device and a liquid separator and subsequently heating the cooled and separated gas to a temperature slightly above the point of condensation before it is delivered back into the next stage.

CLASS 39P. I.C.-C01G 9/06. 138316.

METHOD OF PURIFYING ZINC SULPHATE SOLUTIONS.

SOCIETE DES MINES ET FONDERIES DE ZINC DE LA VIEILLE MONTAGNE, OF B-4900 ANGLEUR, BELGIUM.

Application No. 1797/72 filed November 2, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of purifying zinc sulphate solution resulting from the leaching of zinc ores, comprising : adding to a solution which has been previously purified by means of coprecipitation of hydrolysable impurities with iron (III) hydroxide, metallic zinc in an amount such that the copper and cadmium present are eliminated by cementation; separating the copper cement and cadmium cement from the solution by filtration; heating the solution to a temperature between 80°C. and its boiling point; adding to the solution antimony and zinc powder in amounts such that the cobalt and the other impurities such as thallium and antimony are eliminated by cementation from the zinc sulphate solution, and separating the cobalt cement and said other impurities from the solution by filtration.

CLASS 129G. I.C.-B21C 31/00. 138317.

METHOD AND SYSTEM FOR CONTROL OF EXTRUSION SPEED IN EXTRUSION PRESS.

UBE INDUSTRIES, INC, OF 12-32, NISHIHONMACHI, 1-CHOME, UBE-SHI, YAMAGUCHI-KEN, JAPAN.

Application No. 2213/72 filed December 22, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of controlling extrusion speed of an extrusion press to obtain accurate extrusion products having desired surface and mechanical characteristics, which comprises :

operating an extrustion press by a skilled operator in the optimum condition;

detecting a ram position by a ram position detecting means:

supplying a signal corresponding to the ram position to a ram speed controlling means through a A/D convertor as well as memorizing the same in a memory means;

reading out the signal from the memory and supplying the same to the ram speed controlling means through a D/A convertor, and;

controlling the ram speed controlling means in accordance with a programmed relation between the ram speed and the ram stroke;

whereby, the same pressing operation of the extrusion press is automatically repeated in accordance with the relation between the ram speed and the ram stroke.

CLASS 154G & 191. I.C.-B41J 17/00. 138318.

IMPROVEMENTS IN OR RELATING TO COPY WRITING MATERIAL.

KORES HOLDING ZUG AG, OF BAARERSTRASSE 57, CH-6300 ZUG/SWITZERLAND.

Application No. 1903/Cal/73 filed August 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

Copywriting paper combination made at least of two pages, each of which has one layer, and the layers are to be kept in contact with each other, of which one layer is made of organic dyestuff formulation consisting of a diaryl phthalide which has as least two aromatic radicals and may contain further substituted amino groups in the aromatic nucleus e.g. lactones of rhodamine-B, crystal violet malachite green, a lacquer type of material e.g. acrylic resin, ethyl or carboxymethyl cellulose, polyvinyl chloride, acetate or alcohol, a clay type of material e.g. kaolin, calcium carbonate or titanium dioxide and a liquid solvent like benzene, acetone, trichloroethylene or water and the other layer contains acidic reagents, e.g. phenolic compound, chlorides of iron or zinc, phosphoric acid or stearic acid besides the above-mentioned lacquer type of material clay type of materials and liquid solvents, characterized in that the said organic dyestuff formulation is contained in the script receiving layer on the upper side of the bottom paper, and through binding agent is fixed on the carrier material by means of coating and drying and that the acidic reagent is contained in the transferable layer, on the underside or the top paper also by means of coating and drying, such that the layer becomes penetrable and completely transferable under pressure of writing.

CLASS 32F$_1$b. I.C.-C07d 89/00. 138319.

PROCESS FOR THE MANUFACTURE OF NEW 3-CARBOXY-1-THIA-ISOCHROMAN-1. 1-DIOXIDE DERIVATIVES.

VEB ARZNEIMITTELWERK DRESDEN, OF RADEBEUL 1, POSTFACH 89/90. GERMAN DEMOCRATIC REPUBLIC.

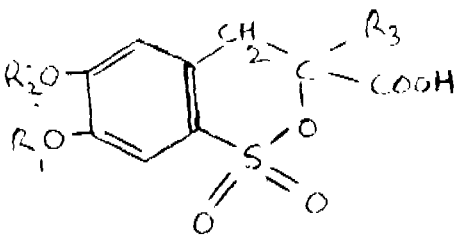
Application No. 1240/Cal/75 filed June 23, 1975.

Division of Application No. 126070 filed April 6, 1970.

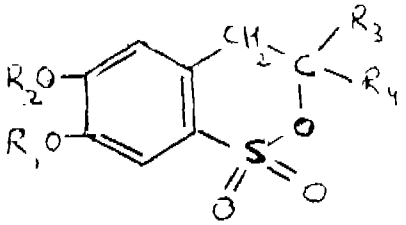
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for the manufacture of 3-carboxy-1-thia-isochroman-1. 1-dioxide-derivatives of the general formula of Fig. 1.



wherein R_1 and R_2 represent a lower alkyl residue and R_3 a hydrogen atom or a lower alkyl residue, characterized thereby, compounds of the general formula of Fig. 2.



wherein R_1, R_2 and R_3 have the above mentioned meaning and R_4 means a carbamoyl- or carbalkoxy group, is saponified in diluted mineral acids like hydrochloric acid or sulphuric acid.

CLASS 32F$_2$b. I.C.-C07d 91/24. 138320.

A PROCESS FOR PREPARING SULFONYLUREA DERIVATIVES.

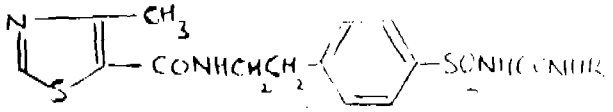
PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 451/Cal/74 filed March 2, 1974.

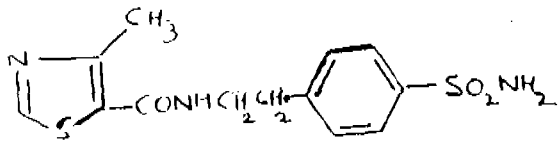
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for preparing a sulfonylurea compound selected from the group consisting of benzenesulfonylureas of the formula I.



and the base salts thereof with pharmacologically acceptable cations, wherein R is bicyclo (2.2.1)hept-5-en-2-yl-*endo*-methyl or cycloalkyl having from five to seven carbon atoms characterized by reacting 4-(2-(4-methyl-5-thiazole-carboxamido) ethyl) benzenesulfonamide of the formula II.



with an isocyanate or reactively related compound of the formula :

R—K wherein

K is -N=C=O or -NHCON(R')$_2$

wherein R is as defined above and R' is a departing aryl group, and when the base salts are being prepared, by either treating the benzenesulfonylurea with an aqueous solution of the desired pharmacologically acceptable base or a lower alkanolic solution of the benzenesulfonylurea and the desired alkali metal alkoxide, and then evaporating either of the above solutions.

CLASS 24D$_1$. I.C.-F16d 49/00. 138321.

FLUID PRESSURE BRAKE SYSTEMS.

GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

Application No. 848/Cal/74 filed April 16, 1974.

Convention date April 25, 1973/(19653/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A fluid pressure operated vehicle braking system comprising a pair of pressure lines leading from pressure source means to one set of wheel brakes, a brake pressure control valve in each of the said pressure lines, another set of wheel brakes operated at the pressure delivered by the pressure source means, and a pressure differential warning actuator connected between the said pressure lines downstream of the said brake pressure control valves.

CLASS 32E. I.C.-C08f 15/02. 138322.

PROCESS FOR PREPARING HYDROLYZED COPOLYMER OF ACRYLONITRILE AND AN UNSATURATED SULFONIC ACID.

CASSELLA FARBWERKE MAINKUR AKTIENGESELLSCHAFT, OF 6 FRANKFURT (MAIN) FECHENHEIM, WEST GERMANY, 526, HANAUER LANDSTR.

Application No. 2242/Cal/73 filed October 9, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for preparing hydrolyzed copolymer of acrylonitrile and unsaturated sulfonic acid containing 0.1 to 30% by weight of sulfonic acid radicals and having a K value of 30 to 140, which comprises hydrolyzing said copolymer of acrylonitrile and an unsaturated sulfonic acid at a temperature of 70 to 150°C. in an aqueous alkali metal hydroxide solution containing from 8 to 35% by weight of alkali metal hydroxide to saponify the nitrile groups of said copolymer to COOR groups where R is the cation of said alkali metal hydroxide and then adjusting the resulting solution to pH of 6 to 9.

CLASS 14D$_2$. I.C.-H01m 11/00, 13/02, 15/06, 17/02.

138323.

PRIMARY CELL.

CHAZHUKARAN PAULESE DEVASSY, RETD. PROFESSOR OF PHYSICS, BEENA DALE, TANGASSERI, QUILON 7, KERALA STATE, INDIA.

Application No. 198/Mas/73 filed December 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim.

A primary cell comprising a glass vessel of height 15 cms. and diameter 10 cms. containing 450 c.c. of lime water wherein twenty gms. of caustic soda are dissolved, an aluminium rod 15 cms. long and 1.4 cms. in diameter as the negative pole and a carbon plate 14 cms. long 5 cms. wide and 0.5 cm. thick as the positive pole, the latter being enclosed in a porous pot of height 12 cms. and diameter 7.5 cms. packed with manganese dioxide and carbon powder as depolariser.

CLASS 32E & 40F. I.C.-C08G 39/00. 138324.

PROCESS AND APPARATUS FOR POLYCONDENSATION OF PRECONDENSATES OR MONOMERS FORMING HIGH-POLYMERS.

DR. HEIMO HARDUNG-HARDUNG, OF QUAI LOUIS BLERIOT 120, PARIS 16, FRANCE.

Application No. 2340/Cal/73 filed October 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the polycondensation of precondensates or monomers forming linear high molecular weight polymers, particularly polyesters, wherein the low molecular weight reaction mass is converted into the high molecular weight polymer by removal of volatile material in subjecting the reaction mass with a large surface exposure to the temperature-, pressure- and residence time-conditions within a reaction space, characterized in that the reaction mass while being propelled through the reaction space is lifted up from a sump by rotating rims, passed through bores penetrating the base of said rims and falling back into the sump out of said bores, in form of free-falling threads and removing the volatile material out of the reaction mass substantially through the surface of said free-falling threads.

CLASS 29A & 67C. I.C.-G06f 9/00. 138325.

FIRMWARE AND METHOD OF MANUFACTURING SAME.

BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 2481/Cal/73 filed November 12, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of structuring firmware for a microprogrammable processor comprising :

deviding the firmware definition of the machine into functional group structure;

constructing each firmware group as an autonomous module; and

building a firmware structure for the computer by applying a building block approach to said autonomous modules.

CLASS 90J. I.C.-B28b 7/00, B28b 21/76. 138326.

COOLING SYSTEM FOR GLASS FORMING MOLD.

EMHART CORPORATION, OF 950 COTTAGE GROVE ROAD, BLOOMFIELD, CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 2307/Cal/73 filed October 16, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A mold cavity defining structure including inner wall means defining the glassware forming first surface which is adapted to contact the molten article material and to remove heat therefrom, and said inner wall means defining a second surface spaced from the first so that heat is adapted to be conducted from said first surface generally toward said second surface; and outer wall means spaced from said inner wall means and defining a third surface spaced from said second surface, and an internal chamber between said second and third surfaces; characterized in that a porous metal filler material is provided in said chamber and comprising generally spherical particles which have been fused to one another and to said second surface for improved heat conduction between the particles, and between the particles and said second surface and defining interstices between adjacent particles for preserving the porosity of said filler; and that means are provided defining a fluid inlet and an outlet opening for passing a coolant fluid through said interestices in said porous metal filler material to cool the particles and in turn to cool the inner wall means which defines said article forming first surface.

CLASS 29A. I.C. G06f 1/00. 138327.

A MICRO-PROGRAMMED PROCESSOR APPARATUS.

BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1894/Cal/73 filed August, 16, 1973.

Convention date February, 20, 1973(8204/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A micro-programmed processor apparatus comprising: an addressable main memory storing micro-instructions in fields, the micro instruction in a field having sequential addresses, an addressable auxiliary memory storing micro-instructions, a micro-instruction register means including an address register for transferring micro-instructions in sequence from the auxiliary memory to the micro-instruction register, a temporary storage unit, means in response to a predetermined micro-instructions in sequence from the auxiliary memory to the micro-instruction register, a temporary storage unit, means in response to a predetermined micro-instruction in the micro-instruction register transferring the address in said address register to the temporary storage unit and setting the address register to a predetermined address, means in response to said predetermined micro-instruction in the micro-instruction register transferring a field of micro-instructions sequentially from the main memory to the auxiliary memory starting at said predetermined address in the address register, means sensing when the last micro-instruction in the field has been transferred for indicating the transfer is complete and means responsive to said last-named means on completion of the transfer of the field of micro-instructions for resetting the address register to the address stored in the temporary storage unit.

CLASS 29A & 67C. I.C. G06c 13/00, 21/00. 138328.

MICROPROGRAMMABLE PARALLEL BIT DIGITAL COMPUTER.

BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1829/Cal/73 filed August, 8, 1973.

Convention date July 24, 1973(35169/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

In a microprogrammable parallel bitdigital computer; having a shared memory for storing information which includes both microinstructions and data-words in separable portions therein and having a central processor associated with said memory, said processor including a memory control wherein said memory control has a memory input register for feeding said shared memory said processor also including a microprogram control for storing both micro-instructions and data-words in separable portions therein which includes a microprogram address register and a memory address register each of which addresses micro-instruction locations and data locations of said memory respectively, said processor also including timing circuitry for generating a "data-cycle" signal and a data cycle signal and an "external load' signal; and peripheral devices; an improved memory addressing apparatus comprising First multiplexing means coupled to said microprogram address register, said memory address register and said shared memory for feeding microinstruction addresses from said microprogram address register and data addresses from said memory address register to said shared memory via common memory address lines; Second multiplexing means connected to said processor including said memory input register and said timing circuitry for feeding information from said peripheral devices or said central processor to said memory via common memory input lines; and demultiplexing means associated with said memory control, said microprogram control, said memory and said timing circuitry for separating information from said memory into data words for said memory control and microinstruction words for said microprogram control.

CLASS 116C. I.C. B 65g; 25/00. 138329.

PADDLE-TYPE CONVEYOR.

DEERE & COMPANY, OF MOLINE, ILLINOIS, U.S.A.

Application No. 1827/Cal/73 filed August, 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved conveyor for moving crop material or the like comprising: a housing including a floor and opposite generally upright sidewalls; a plurality of rotary Paddle-type impellers mounted parallel and adjacent to one another in close proximity to the floor and extending between the opposite sidewalls for moving the crop material along the floor in response to rotation of the impellers in the same direction each impeller including an axial shaft and a plurality of generally radical paddles attached to the shaft and extending longitudinally thereof, each paddle including a pair of opposite paddle members having a curvature about a longitudinal axis parallel to the shaft and mounted with their concave side facing one another and the outer edges abutting each other at the impeller periphery.

CLASS 39-N. I.C. C01b, 17/66. 138330.

IMPROVED METHOD FOR PRODUCING ANHYDROUS SODIUM HYDROSULPHITE USING SODIUM FORMATE, FORMIC ACID OR FORMIC ACID ESTER.

MITSUBISHI GAS CHEMICAL CO., LTD., OF 5-2, MARUNOUCHI, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 1361/Cal/73 filed June 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method for producing anhydrous sodium hydrosulphite by the reaction of sodium formate, formic acid or formic acid ester with sodium hydroxide and sulphur dioxide or sodium bisulphite in an aqueous solution of alcohol, under reflux of formic acid ester which is boiled off from the reaction solution, wherein the improvement comprises the steps of adding sodium hydroxide to formic acid ester which is condensed for reflux and returning the resulting mixture to the reaction solution.

CLASS 9E+F. I.C.-C22C 1/02, 11/00. 138331.

PROCESS FOR PREPARING ANTIMONY LEAD ALLOYS.

VARTA BATTERIE AG, (FORMERLY KNOWN AS VARTA AKTIENGESELLSCHAFT), OF STOCKENER STR. 351, 3 HANNOVER, WEST GERMANY.

Application No. 1155/Cal/73 filed May 18, 1973.

Convention date August 29, 1972/(46063/72) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process of preparing an antimony lead alloy, characterized by alloying in a manner such as herein described 1.0 – 3.5% Sb, 0.025 – 0.2% As, 0.005 – 0.1% Se, 0.01 – 0.5% Sn, and eventually from 0.025 – 0.1% Ag, the remainder being lead and impurities, casting electrode grids for use in electric storage-batteries and then subjecting the alloy to a heat treatment including a solution treatment as defined herein.

CLASS 32E & 152E. I.C.-C08G 45/04, 45/06. 138332.

A PROCESS FOR PREPARING A THERMOPLASTIC COMPOSITION.

ROHM AND HAAS COMPANY, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Application No. 1798/72 filed November 2, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings.

A process for preparing a thermoplastic composition which comprises blending of (1) 10 to 96 weight percent of a thermoplastic homopolymer or copolymer containing at least 50% by weight of units of one or more of the monomers: (C_1 to C_4)-alkyl methacrylates, styrene, substituted styrene, acrylonitrile and substituted acrylonitrile, the balance, if any, comprising units from one or more other copolymerizable monoethylenically unsaturated monomers, and (2) 90 to 4 weight percent of a multi-stage, sequentially emulsion produced (as hereinbefore defined) graft polymer having; (A) a non-elastomeric, first stage polymer having a glass transition temperature greater than 25°C., polymerized from a monomer mixture comprising at least 70 weight percent of one or more of the monomers (C_1 to C_4)-alkyl methacrylates, styrene, substituted styrene, acrylonitrile and substituted acrylonitrile, 0 to 30 weight percent of one or more other monoethylenically unsaturated monomers, 0 to 10 weight percent of one or more copolymerizable polyfunctional crosslinking monomers, (as hereinbefore defined) and 0.05 to 5 weight percent of one or more copolymerizable graftlinking monomers (as hereinbefore defined); (B) an intermediate, elastomeric stage polymer polymerized, in the presence of a polymeric product containing the first stage polymer, from a monomer mixture comprising 50 to 99.9 weight percent of one or more of the monomers: butadiene, substituted butadiene and (C_2 to C_8)-alkyl acrylates, 0 to 49.9 weight percent of one or more copolymerizable different monoethylenicaly unsaturated monomer, 0 to 5.0 weight percent of one or more copolymerizable polyfunctional crosslinking monomers (as hereinbefore defined) and 0.05 to 5.0 weight percent one or more copolymerizable graft linking monomers (as hereinbefore defined) the elastomeric polymer alone having a glass transition temperature of at most 25°C., and (C) a non-elastomeric final stage polymerized in the presence of a polymeric product containing the first and intermediate stage polymers from a monomer mixture comprising one or more of the monomers: (C_1 to C_4)-alkyl methacrylates, styrene, substituted styrene, acrylonitrile and substituted acrylonitrile, the final stage polymer alone having a glass transition temperature greater than 25°C.

CLASS 32E & 104-0. I.C.-C08f 13/00, C08h 5/00. 138333.

PREPARATION OF PHOSPHAZENE POLYMERS.

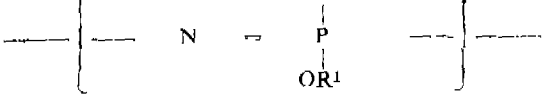
HORIZONE RESEARCH INCORPORATED, OF 23800 MERCANTILE ROAD, CLEVELAND, OHIO, UNITED STATES OF AMERICA.

Application No. 1646/72 filed October 12, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

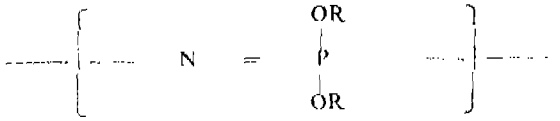
2 Claims

A process for preparing polyphosphazenes consisting of a skeletal chain composed of recurring units represented by the general formula shown in Fig. 2.



wherein each of OR and OR' represents a monovalent radical selected from the group consisting of $-OCH_2(CF_2)_a CF_2F$ and $-OCH_2(CF_2)_b H$ and wherein R and R' are different from each other, and wherein a and b are small integers between 0 and 9, which process comprises:

(1) preparing by method known *per se*, such as herein described, phosphazene homopolymers consisting of a skeletal chain composed of recurring units represented by the general formula shown in Fig. 1 in which R has the meaning given above and



(2) effecting replacement of some of the OR radicals in said homopolymer by radicals of the OR' type by reacting said homopolymer with an alkoxide containing said OR radical, the radicals OR and OR' being as defined above and being different from each other, whereby the resulting polyphosphazene possesses a desired distribution of OR and OR' radicals attached to the P atoms along the $-P=N-$backbone.

OPPOSITION PROCEEDINGS

(1)

An Opposition has been entered by Orissa Cement Limited to the grant of a Patent on application No. 137397 made by Carborandum Universal Limited.

(2)

The opposition entered by Bhabha Atomic Research Centre to the grant of a patent on application No. 121897 made by Ram Pratap and Mrs. Bimla Devi (Aggarwel) on the 19th June, 1969 and notified in the Gazette of India Part III, Section 2 dated the 31st July, 1971 was allowed.

(3)

The application for patent No. 120345 made by Ashok Ganesh Joshi in respect of which an opposition was entered by Harbans Lal Malhotra & Sons Pvt. Ltd., as notified in Part III, Section 2 of the Gazette of India, dated the 26th December 1970 has been refused.

(4)

Application for patent No. 120345 made by Ashok Ganesh Joshi in respect of which an opposition was entered by Sharpedge Limited as notified in Part III, Section 2 of the Gazette of India dated the 1st May 1971 has been refused.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :

(1)

117034 117104 117193 117216 117508 117520 117606 118135 118345 118349 118419 118436 118448 118455 118458 118501 118510 118523 118527 118543 118727 118744 118751 118882 119135 119178 119328 119521 120017 120161 120762 120778 120862 121271 121928 122275 122591 123013 123014.

PATENTS SEALED

90770 97563 115420 123643 125895 126597 132286 133806 134121 134186 134702 136291 136381 136573 136611 136620 136627 136656 136657 136681 136683 136687 136719 136724 136725 136729 136747 136749 136753 136759 136770 136785 136792 136793 136795 136800 136812 136815 136819 136820 136821 136827 136832 136837 136842 136843 136848 136983.

AMENDMENT PROCEEDINGS UNDER SEC. 57

(1)

In pursuance of an application under Section 44 of the Patents Act, 1970, Patent No. 135873 has been amended by substituting the name, nationality and address of the REED IRRIGATION INTERNATIONAL within which the applicants ANJAC PLASTICS, INC. have merged.

(2)

Notice is hereby given that Universal Oil Products Company now re-named UOP Inc., a corporation duly organised under the laws of the state of Delaware, U.S.A., of No. 10 UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, State of Illinois, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for patent No. 136887 for "Sulfur recycle in styrene fractionation". The amendment are by way of amendment of their name from "Universal Oil Products Company" to "UOP Inc." The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Universal Oil Products Company now re-named UOP Inc., a corporation duly organised under the laws of the state of Delaware, U.S.A., of No. 10 UOP Plaza-Algonquin & Mt. Prospect Roads, Des. Plaines, State of Illinois, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of the application for patent No. 137228 for "Method of forming spiral ridges on the inside diameter of externally finned tube". The amendment are by way of amendment of their name from "Universal Oil Products Company" to "UOP Inc." The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(4)

Notice is hereby given that Universal Oil Products Company now re-named UOP Inc., a corporation duly organised under the laws of the state of Delaware, U.S.A., of No. 10 UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, State of Illinois, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 137574 for "A process for the transalkylation of an alkylarothatic hydrocarbon". The amendments are by way of amendment of their name from "Universal Oil Products Company" to "UOP Inc." The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of

opposi ion it shall be left within one month from the date of filing the said notice.

(5)

The amendments proposed by Societe D'Etudes Scientifiques Et Industrielles De L'Ile-De-France in respect of patent application No. 108198 as advertised in Part III. Section 2 of the Gazette of India dated the 23rd August 1975 have been allowed.

(6)

The amendments proposed by Imperial Chemical Industries Limited in respect of patent application No. 126646 as advertised in Part III, Section 2 of the Gazette of India dated the 30th August 1975 have been allowed.

(7)

The amendments proposed by Hindustan Lever Limited, in respect of Patent application No. 134718 as advertised in Part III, Section 2 of the Gazette of India dated the 30th August 1975 have been allowed.

(8)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning in respect of patent application No. 136567 as advertised in Part III, Section 2 of the Gazette of India dated the 30th August 1975 have been allowed.

(9)

The amendments proposed by Rhone-Poulenc S.A., in respect of patent application No. 136689 as advertised in Part III, Section 2 of the Gazette of India dated the 23rd August 1975 have been allowed.

(10)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning in respect of patent application No. 136833 as advertised in Part III, Section 2 of the Gazette of India dated the 23rd August 1975 have been allowed.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1974 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & address of the Pantentee	Brief Title of the Invention
1	2	3	4	5
1.	129206	12-11-1970	Gobe Union Inc., of 5757 N. Green Bay Avenue, Millwankee, Wisconsin, U.S.A.	Apparatus for repetitively applying coatin to a substrate.
2.	129207	12-11-1970	Do.	Production of resistive coatings.
3.	129267	17-11-1970	Nippon Kokan Kabushiki, of 1-3, 1-chome, Otema-chi, Chiyoda-ku, Tokyo, Japan.	Coating of steel sheets.
4.	129276	18-11-1970	USS Engineers and Consultants, Inc., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for circulating water in a quencher for exhaust gases in an oxygen steel making process.
5.	129282	18-11-1970	Textron Inc., of Dorrance Street, Providence State of Rohade Island, U.S.A.	Ram machanism for a snap fastner attaching machines.
6.	129329	20-11-1970	Norton Co., 1 New Bond St., Worcester, State of Massachusetts, U.S.A.	Abrasive elements.
7.	129330	20-11-1970	Do.	Abrasive grinding elements.
8.	129335	21-11-1970	Schlumberger Oceseas, S.A., one Kingway, London, W.C. 2, Great Britain.	Apparatus for investigating earth formations.
9.	128366	10-9-1970	Opti-Holding A.G., Burgstrasse, 24, Glarus, Switzerland.	Textile ribbons for use as stringer tapes for sliding clasp fasteners.
10.	129369	24-11-1970	Nippon Kokan Etc, of 1-3-1-chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Cooling hot, metals and in particular steel materials.
11.	129389	20-8-1971	Manohar Industries, of Nanded, S. C. Rly, State of Maharashtra.	A structure of reinforced concrete for use in lining the beds of canals and slake and railings for use with the same.
12.	129429	28-11-1970	Metallurgical Processes Ltd., 1 & 3 of Trust Bldg., Frederick, St. Nassan, Bahamas and another.	Operation of a blast furnace.
13.	129441	30-11-1970	Nippon Kokan Etc., of 1-3, 1-chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	Method for descaling steel.
14.	129474	3-12-1970	Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft, of Postfach 260, vahren Walder Strasse 271, 3000 Honnover, Federal Republic of Germany.	Continuous casting mould for the casting of metal.
15.	129476	3-12-1970	Universal Oil Products Company, 30, Algonoquin Road, Des Plaines, State of Illinois, U.S.A.	Separating the effluent from a hydro processing reaction zone.

1	2	3	4	5
16.	129482	3-12-1970	H.A. Hansen Transmission Internatic nal N.U., of Naamse Vennootschap of Boerenle-gorstraat, Belgium.	Gear speed reducers.
17.	129492	4-12-1970	Eastman Kodak Company, of 343 State Street, Rochester, New York 14650, U.S.A.	Apparatus for producing a masked photo graphic transparency.
18.	129495	4-12-1970	The Firestone Tire & Rubber Company, 1200 Firestone Parkway, Akron, State of Ohio 44317, U.S.A.	Propulsion and processing apparatus for flowable materials.
19.	129498	5-3-1971	Manohar Industries, of Nanded (Maharashtra) India.	Pre-fabricated structure for use in irrigation systems.
20.	129499	26-2-1971	Manohar Industries, of Mohalla Gadipura, Nanded, Maharashtra State.	Pre-fabricated structure for use in diverting water particularly in irrigation system.
21.	129501	4-12-1970	British-American Tobacco Co. Ltd., Westminster House, 7 Millbank, London, S.W. 1, England.	Smoke filter.
22.	129515	5-12-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Hydraulic braking systems for vehicles.
23.	129516	5-12-1970	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau N. P. Bahamas.	Apparatus for assembling a ceiling.
24.	129524	7-12-1970	Schubert & Salzer Maschinenfabrik AG, Friedirch Ebertstrasse 84, 8076 Ingolstadt, Germany	Arrangement for supplying silver to fine spinning machine.
25.	129531	7-12-1971	Asahi Kasei Kogyo Kabushiki Kaisha, of 25-1, Dojimahamadori-1-chome, Kita-ku, Osaka, Japan.	Bobbin.
26.	129532	1-10-1971	R. Yoritomi, of 5-17-12, Koishikawa, Bunkyo-ku, Tokyo, Japan.	Continuous dehydration.
27.	129534	5-3-1971	Manohar Industries, Mohalla Gadipura, Nanded, Maharashtra.	Prefabricated structure for use in irrigation system.
28.	129541	9-12-1970	Union Carbide Corporation, 270 Park Avenue, New York, New York-10017, U. S. A.	Annealing tower.
29.	129543	9-12-1970	AGFA-Gevaert N. V., 27 Septestraat, N 2510 Mortsel, Belgium.	Device for continuous drying of moist web-like photographic material.
30.	129558	10-12-1970	G. K. N. Birfield Transmissions Ltd., P. O. Box 405, Chester Road, Erdington, Birmingham 24, England.	Universal joints.
31.	129570	11-12-1970	Nippon Kokan Etc., of 1-3, 1-chome, Otamachi, Chiyoda-ku, Tokyo, Japan.	Cold rolled steel.
32.	129572	18-3-1971	T. N. Tandon & others, R. D. & S. O. Alambagh, Lucknow, U.P.	Bogies with suspension system.
33.	129580	14-12-1970	EMI Ltd., of Blyth Road, Hayes, Middlesex, England.	Injection moulding apparatus for the manufacture of gramophones.
34.	129598	15-12-1970	Braunschweigisqhe Maschinenbauanstalt, of Am Alten Bohnhog 5, Braunschweig, West Germany.	Apparatus for ccmminuting sugar cane.
35.	129600	15-12-1970	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, U.S.A.	Fluroscent lamps.
36.	129633	19-2-1971	Jg Gass Industries of Pimpri, Poona-18.	Vacuum flask.
37.	129645	19-2-1971	Do.	Improved cup for use with vacuum flask.
38.	129652	18-12-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Vehicle shoe drum brake.
39.	129748	28-12-1970	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Liquid reservoirs.
40.	129768	29-12-1970	Joseph Lucas (Industries) Ltd., Great King Street, Birmingham 19, England.	Fault detecting system for road vehicles.
41.	129770	29-12-1970	The British Oxygen Ltd., of Harmersmith House, London, W.6, England.	Vacuum insulated pipeline.
42.	129772	29-12-1970	Karle Ove Torgny Walander, Elsa Brandstrom gate 5, Linkoping, Sweden.	System for arresting aircraft upon touch down on a landing run way.

1	2	3	4	5
43.	129782	30-12-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Lock actuators.
44.	129819	1-1-1971	Vyzkumny Ustav Obracich Stroju, of Praha, Czechoslovakia.	Method for locating machines, devices, equipment or their parts.
45.	12932	4-1-1971	Combined Engineered Products Ltd., of 2242 Lakeshore Boulevard West, Toronto 500, Ontario, Canada.	Incremental gear drive.
46.	129849	6-1-1971	The Dunlop Company Ltd., Dunlop House, Ryder St., St. Jame's, London S. W. 1, England.	Composite articles and assemblies particularly friction element assemblies.
47.	129850	6-1-1971	Francis Beatty Fishburne, of 24 Summit Drive, Asheville, North Carolina, U.S.A.	Apparatus for packing loose compressible material particularly leaf tobacco.
48.	129856	6-1-1971	Johnson & Johnson 501, George Street, New Burnswick, New Jersey, U. S. A.	Comformable adhesive sheet.
49.	129868	7-1-1971	Ashmore, Benson, Pease & Company Limited, of Yarn Road, Stockton-on-Tees, Teeside, England.	Continuous casting mould.
50.	129869	7-1-1971	Frank Demenico Rich, Jr., 225 Tokeneke Road, Darien, Connecticut 06820, U.S.A.	Building.
51.	129895	11-11-1971	The Tata-Hydro-Electric Power Supply Co. Ltd., Tata Vidyut Bhavan, Marzban Road, Bombay-1.	Drive system for blow room machinery.
52.	129913	12-1-1971	Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Treating Textile materials to enhance dyeability and further processing.
53.	129920	13-1-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Disc brakes.
54.	129932	14-1-1971	Industrial Holding Establishment, Liechtenstein Company, of Vaduz, Liechtenstein.	Rocket missiles of the impact operating type.
55.	129936	14-1-1971	Nippon Kokan Etc., of 1-3, 1-chome, Otamachi, Chiyoda-ku, Tokyo, Japan.	Continuously manufacturing cold rolled steel sheet for drawing.
56.	129975	18-1-1971	A/S Dansk Leca, a Danish Company, of Paul Berg Soesvej 17, 2600 Glostrup, Denmark.	Rotary kiln for the production of granular bloated product.
57.	130009	20-1-1971	Shell Internationale Research Maatschappij N.V., Carel van, Bylandtlaan 30, The Hague, The Netherlands.	Automatic watching of an apparatus for the preparation and cooling of synthesis gas.
58.	130024	21-1-1971	E. I. Dy Pont, Wilmington, Delaware, U.S.A.	Thermometric devices.
59.	130033	22-1-1971	G. D. Societa' In Accomandita Semplice Enzo Seragnoli E Ariosto Seragoneli, of 10-Bologna, via Pomponia, Italy.	Device for automatically varying the operating speed in packing up machines for packet cigarettes.
60.	130042	25-1-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Mechanical couplings for frictional elements of a brake.
61.	130051	25-1-1971	Tata Iron & Steel Co., Jamshedpur, State of Bihar, India.	Method for repairing cracked or broken metal components.
62.	130085	28-1-1971	Giring Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Mechanical coupling for shoe drum.
63.	130086	28-1-1971	Universal Oil Products Co., 30 Algonquin Road, Des Plaines, Illionis, U.S.A.	Seats particularly vehicle seats.
64.	130095	28-1-1971	UBE Industries Ltd., 12-32, 1-chome, Nishihonmachi, Ube-shi, Yamaguchi-Ken, Japan.	Removing impurities from solid granules.
65.	130099	29-1-1971	American Flange & Manufacturing Co. Inc., 30 Rockfeller Plaza, New York 10020, New York, U.S.A.	Infant feeding package.
66.	130100	29-1-1971	Dunlop Holdings Ltd., Dunlop House, Ryder Street, St. James, London, S. W. 1, England.	Printers blankets.
67.	130102	29-1-1971	USS Engineers and Consultants Inc, 600 Grant St., Pittsburgh, State of Pennsylvania, U.S.A.	Apparatys for automatically supplying oil to a hot strip rolling mill.
68.	130119	30-1-1971	Dunlop Holdings Ltd., Dunlop House, Ryder Street, St. James's London, S. W. 1, England.	Hose pipes.

1	2	3	4	5
69.	130120	30-1-1971	N. Chakravari, 639 Block 'O' New Alipur, Calcutta-53, West Bengal, India.	Transmission towers or poles.
70.	130122	1-2-1971	Naniwa Sangyo Co. Ltd., 4-10, 3-chome, Furuichiodoei, Joto-ku, Osaka, Japan.	Temperature regulating device.
71.	130127	1-2-1971	Offshore Technology Corporation, 578 Enterprise St, Escondido, California, U.S.A.	Water floated work platform.
72.	130131	1-2-1971	Mrs. Nirmala M. Sangani & other, of A-3, Gulab Baug, Wadhavali Road, Bombay-71.	Device for slicing cheese.
73.	130135	2-2-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, war wickshire, England.	Disc brakes.
74.	130141	2-2-1971	Nippon-Kokan Inc., 1-3, 1-chome Otamachi, Chiyoda-ku, Tokyo, Japan.	Method of blowing such fluid as reducing as into a furnace and boring apparatus for use therein.
75.	130175	4-2-1971	J. H. Fenner & Co. Ltd., Marfleet, Hull, Yorkshire, England.	Conveyor belting.
76.	130183	4-2-1971	Jawa Narodni Podnik, Tynec nad-Sazavon, Czechoslovakia.	Headlight for motor vehicles.
77.	130191	5-2-1971	J. D. Societa' in Accomandita Semplice di Enzo-Seragnoli E Ariosto Seragnoli, 10-Bologna, Via Pomponia, Italy.	Conveyor device for assembling overlying layered sets for cigarettes and packing them in packages in cigarette packaging machines.
78.	130197	5-2-1971	Theo Benning Elektrogerate Kommandit Gesellschaft 4290, Bocholt, Mimsterstrasse 135-137, West Germany.	Safety lighting device.
79.	130200	6-2-1971	Abex Corporation, 530, Fifth Avenue, New York, U.S.A.	Machine tools.
80.	130208	8-2-1971	Bekaert-Cockeroll, of Scheldehoord 10, B-2620 Hamilksem, Belgium.	Steel wool.
81.	130217	9-2-1971	Borgs Fabrike Aktiebolag, Norrkoping, Sweden.	Method of operating energy absorbers.
82.	130228	10-2-1971	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nasau, N. P. Bahamas, Foomerly of Columbus House Shirley St., Nassau, The Bahamas.	Method of welding together sheets to form walls, tarks or the like.
83.	130247	12-2-1971	The Goodyear Tire & Rubber Co., 1144 East Market St., Akron, Ohio, U.S.A.	Inflatable shelter.
84.	130250	12-2-1971	Dr. Zal Kutar, Medical Superintendent, Clara Swain, Hospital Bareilly U.P., India.	Air cooling unit.
85.	130262	15-2-1971	A.R. Williey and Sons Inc., 1860 Lincoln, Denver, Colorado, U.S.A.	Centrifugal pump and seal means thereof
86.	130324	19-2-1971	Intermenua (Proproctary) Ltd., 101 Medical Towers, Jeppe St., Johannesburg, Transvaal Province, Republic of South Africa.	Shearing or cutting machines.
87.	130327	19-2-1971	Jg. Glass Industries Pvt. Ltd., Pumpri, Poona-18, Maharashtra.	Vacuum flask.
88.	130333	20-2-1971	Intermenua (Proprietary) Ltd., 102 Medical Towers Jeppe St., Johannesburg, Transvaal Province, Republic of South Africa.	Shearing machine.
89.	130335	20-2-1971	Mefine S. A., of 5, route de Beaumont, Fribourg, Switzerland.	Sewing machine presser foot.
90.	130361	25-2-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Cooling extruded tubing.
91.	130404	27-2-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Disc brakes.
92.	130431	2-3-1971	Lewis Woolf Griptight, of 144 Oakfield Road, Selly Oak, Birmingham, England.	Infant feeding bottle.
93.	130484	5-3-1971	British-American Tobacco Co Ltd., of Westminster House 7, Millbank, S. W.1, England.	Tobacco fillers.
94.	130529	11-3-1971	Siemens A. G., Berlin and Munich, Germany (West).	Vector analyser.
95.	130530	11-3-1971	Hermenn Papst, Kurl-Main Strasse 1, St. Guorgen, Schwaizwald, Federal Republic of Germany.	A method of production of lifting gases lighter than air ships.

1	2	3	4	5
96.	130539	11-3-1971	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hand brake for rail road cars.
97.	130553	16-3-1971	Union Carbide Corporation, 270 Park Avenue, New York, New York 10017, U.S.A.	Liquid gas contacting tray.
98.	130560	16-3-1971	Aquavoir Holdings Company S. A., Panama of Apartado 850, Panama 1, Republic of Panama.	Unit for collecting rain water.
99.	130592	16-3-1971	Knorr Bremse, 8 Munchen 13, Moosacher Strasse 80, Federal Republic of Germany.	Compressed air braking equipment for rail vehicles.
100.	130608	17-3-1971	Bekum Maschinen Etc., 1 Berlin 42 (Mariendorf), Lankucitzer-strasse-14-15, Federal Republic of Germany.	Blow molding apparatus.
101.	130623	18-3-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S. W. 1, England.	Vessel corrision indicator.
102.	130624	18-3-1971	C. A. V. Ltd., of Well Street, Birmingham 19, England.	Liquid fuel pumping apparatus.
103.	130636	19-3-1971	Agfa Gevaert N. V., 27 Septestraat, B 2510 Mortsel, Belgium.	A method of mixing and/or making to react substance by mixing in a liquid medium.
104.	130652	20-3-1971	British Steel Corporation and British Railways Board, 33 Grosvenor Place, London S. W. 1, England.	A method of making rail steel.
105.	130695	23-3-1971	General Electric Co., 1 River Road, Schenectady 5, New York, U.S.A.	Rotating heater roll temperature sensing apparatus.
106.	130706	24-3-1971	Lucas-TVS Ltd., 37 Mount Road, Madras-600006.	Anti-dazzle device for road vehicle.
107.	130721	25-3-1971	G. K. N. Birfield Transmissions Ltd., of Chester Road, Erdington, Birmingham 24, in the country of Warwick, England.	Constant velocity universal joints.
108.	130723	25-3-1971	Dunlop Holdings Ltd., Dunlop House, Ryder St., St. James, London, S. W. 1, England.	Pneumatic tyre and wheel rim assembly.
109.	130725	25-3-1971	American Flange & Manufacturing Co. Inc., 30 Rockfeller Plaza, New York 10020, New York, U.S.A.	Tear off closure cap.
110.	130727	22-1-1972	Nippon Hoso Kyokai, 2-1, 2-chome, Jinnan, Shibuya-ku, Tokyo, Japan.	Metal vapour discharge lamp.
111.	130752	27-3-1971	Sperry Rand Corporation, of Crooks and Maple Roads, Troy, State of Michigan, 4884, U.S.A.	Axial piston pumps.
112.	130768	29-3-1971	Medical Testing Systems, Inc., 9601 Wilshite Blvd, Beverly Hills, California, U.S.A.	Clinical specimen collecting implements.
113.	130769	29-3-1971	Abex Corporation, 520 Fifth Avenue, New York, New York, U.S.A.	Production of friction materials.
114.	130772	29-3-1971	Aristovoulos George Petzatakis, Moschaton/ Piraeus, Grischenland Thessalsniki Chandristr, Greece.	Connection for pipes.
115.	130790	30-3-1971	Werkzeugmaschinenfabrik Oerlikor-Buhrle AG, Birchestrasse 155, 8050 Zurich, Switzerland.	Automatic load dependent compressed air brake system.
116.	130808	1-4-1971	Shell Internationale Rese-arch Maatschappij N. V., 30, Carel van Bylandtlaan, The Hague, The Netherlands.	Apparatus for effecting intimate mixing of two gaseous streams.
117.	130820	2-4-1971	USS Engineers and Consultants, Inc., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for hoisting and positioning ladles.
118.	130822	2-4-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S. W. 1, England.	Explosive cartridge case for under water blasting.
119.	130828	3-4-1971	Mangat Lal Malhotra, 16-Hill Park, Malabar Hill, Bombay-6.	Cigarette case with a single touch cigarette ejector.
120.	130834	3-4-1971	Borgs Fabriks Aktiebolag, of Box 242, 60104 Norrkoping, Sweden.	Regulating the driving torque and energy absorption in absorption device.
121.	130835	3-4-1971	Lucas-VA Ltd., 37 Mount Road, Madras-600006.	Handbrake controls for road vehicles.
122.	130844	5-4-1971	Wheelabrator-Frye Inc., Mishawaka, Indiana, U.S.A.	Centrifugal blasting wheel and blade.

1	2	3	4	5
123.	130859	6-4-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo boosters for vehicle brake systems.
124.	130873	6-4-1971	The Metal Box Company of India Ltd., of Barlow House, 59 C, Chowringhee Road, Calcutta-20.	Can bodies.
125.	130874	6-4-1971	Metal Box Company of India Ltd., Barlow House, 59 C, Chowringhee Road, Calcutta-20.	Pull tabs for can ends.
126.	130875	6-4-1971	Do.	Can bodies.
127.	130890	7-4-1971	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, England.	Disc-brakes for vehicles.
128.	130894	8-4-1971	Nedschroef Octrooi Maatschappij N.V., Kannaldijk 71, Helmond, The Netherlands.	Device for rolling screw thread.
129.	130906	8-4-1971	Industriewerk Schaeffler, 85522, Herzogenaurach, Federal Republic of Germany.	Three roller double apron drafting system for ring spinning machines.
130.	130908	8-4-1971	Do.	Weighting arm for top rollers of drafting systems for ring spinning machines.
131.	130924	12-4-1971	Queen's University at Kingston, of Kingston, Ontario, Canada.	Vortex clarifier for separation of fluid.
132.	130926	19-7-1971	Sarvodaya Industries, of 30, Digvijay Plot, Jamnagar, Gujarat.	Rising butt hinges.
133.	130952	13-4-1971	Air Preheater Co., Andover Road, Wellsville, New York, U.S.A.	Air modulation for waste incinerater.
134.	130977	14-4-1971	Sulzer Brothers Ltd., of Winterthur, Switzerland.	Storage device of filamentary material.
135.	130979	14-4-1971	Phillip Morris Incorporated, 100 Park Avenue, New York, New York 10017, U.S.A.	Safety razor embodying blade pressure control.
136.	131013	17-4-1971	Manuel Punsola Fabregat, P. O. Box 589, Portola Street 14, Barcelona, Spain.	Wiping ring or piston ring.
137.	131015	17-4-1971	Messerschmit-Bolkow-Blohm Gasellschaft Mit Beschrankter Haftung, of Ottobrunn bei Munchen, 8 Munchen 80, Federal Republic of Germany.	Centrifuge rotors.
138.	131036	19-4-1971	Redpath Dorman Long (Contracting) Ltd., of Elliot House, Hillsidecrescent Edinburgh, Scotland.	Parallel wire strands.
139.	131048	20-4-1971	Inst. De Cercetari, Soseana Bueurcoti-Ploiesti Kum 15, Jugatul, for Rumania.	Plough with variable working width.
140.	131058	21-4-1971	USS Engineers and Consultants, Inc., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Slidable gate construction for use as a closure on a bottom pour vessel.
141.	131059	21-4-1971	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, England.	Brake adjuster mechanisms for drum brakes.
142.	131081	22-4-1971	Ruti Machinery Works Ltd., CH-8630 Ruti (Zurich) Switzerland.	Arrangement for holding weft threads.
143.	131087	23-4-1971	Joseph Lucas (Industries) Ltd., of Great King Street, Birmingham 19, England.	Gas turbine engine.
144.	131097	24-4-1971	Bau-Stahlgewebe GmbH., of Burggrafenstr 5, 4 Dusseldrog-Oberkassel, West Germany.	Heat treatment process for non-alloyed low carbon structural steel.
145.	131101	24-4-1971	Mefina S. A., of 5, route de Beaumont, Frobourg, Switzerland.	Fuze for a non-gyrotory projectile.
146.	131103	24-4-1971	Imasco Ltd., of 4 Westmount Square, Montreal 216 Quebec, Canada.	Pneumatic separator with re-circulation of air.
147.	131120	26-4-1971	John Harold Barwell, 13 Grammer Road, Cambridge, Cambridgeshire, England.	Apparatus for applying tread material to a tyre wheel.
148.	131140	27-4-1971	Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Suppressors for road vehicles.
149.	131158	28-4-1971	Asok Ranjan Das Gupta, C/o Eastern Carbons, Sneh Milan, Telephone Exchange Road, Dhanbad, Bihar.	Beehive coke ovens for the manufacture of metallurgical grade hard coke.

1	2	3	4	5
150.	131165	20-4-1971	Libbey Owens Ford Co., 811 Madison Avenue, Toledo, Ohio, U.S.A.	Apparatus for edge treating glass sheets.
151.	131172	28-4-1971	The Menally Pittsburgh Mfg., Corp., Pittsburgh, State of Kansas, U.S.A.	Thickners.
152.	131192	30-4-1971	Bakum Maschinen Etc., 1 Berlin 42, Lankwitzer strasse, 14-15, Federal Republic of Germany.	Method of manupulating blow moulded synthetic plastics articles and surplus material.
153.	131201	1-5-1971	Reinar Schmidt and Erik Schmidt, Skyttegatan 5-7, 771 of Ludvika, Sweden.	Thread cutting device for slide lathes.
154.	131206	3-5-1971	Marcona Corporation, One Maritime Plaza, San Francisco, California, U.S.A.	Apparatus for loading slurries in vessels and eliminating the suspending liquids.
155.	131209	3-5-1971	Beham Maschinen Etc., 1 Berlin 42, Lankwitzer Strasse, 14-15, Federal Republic of Germany.	Apparatus for separating the surplus of thermoplastics material from the neck portions of blow moulded containers.
156.	131222	4-5-1971	William Pyrm Werker, 519 Stolbercry/Rhld, 2 Weifaller St. 5-7, Federal Republic of Germany.	Manufacturing a slide fastner by weaving.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the particles claiming interests .—

78734 .. M/s. Transelastic AG., Mumpf.

78734. .. M/s. Ernst Siegling.

92307 .. M/s. Tetra Pak International AB.

99040 .. M/s. British Chrome & Chemicals Ltd.

135761 .. The Ministry of Agriculture of the Government of the Kingdom of Swaziland.

RENEWAL FEES PAID

73820 74764 74778 74788 74825 74902 74975 74991 75087
75135 75364 75451 75549 75622 75955 75999 76001 79102
79890 80086 80258 80323 80365 80432 80511 80833 81124
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134622 134717 134839 134882 134960 135086 135196 135596
135854 136094 136132 136206 136315 136353 136355 136369
136371 136385 136404 136406 136411 136422 136431 136434
136454 136518 136565 136617 136623 136624 136626 136633
136662 136665 136673 136691 136739.

CESSATION OF PATENTS.

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111811 111843 111847 111852 111861 111862 111905 111906

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112067 112068 112069 112094 112104 112179 112193 112194
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116903 116930 116980 116984 117025 117041 117049 117060
117093 117120 117132 117134 117163 117164 117226 117232
117254 117341 117356 117365 117383 117387 117430 117433
117491 117519 117557 117565 117606 117630 117638 117643
117665 117680 117834 118302 119170 119268 119492 120226
120277 122550 125589 128265.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 85437 to Emil Beck Jensen for an invention relating to "A replaceable blade for a rotable rasp used to remove rubber from the carcass of a rubber tire". The patent ceased on the 3rd December, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 2nd August, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th March, 1976, under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 110471 granted to Padmanna Jambu Chaugule for an invention relating to "Improvements in or relating to shaving blade holders or safety razors." The patent ceased on the 2nd May, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 27th December, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th March, 1976, under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 110514 granted to Padmanna Jambu Chaugule for an invention relating to Shaving soap solution and shaving brush containers. The patent ceased on the 3rd May 1975 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 27th December 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th March, 1976, under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 133845 granted to Industrie Pirelli Societa Per Azioni for an invention relating to "radical cord carcass tyre beads". The patent ceased on the 4th December, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 5th July, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th March, 1976, under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application for restoration of Patent No. 131167 dated the 28th April, 1971 made by Airyan Electricals on the 8th August, 1975 and notified in the Gazette of India, Part III, Section 2 dated the 20th September, 1975 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 142963. Satya Prakash Gupta, Shiv Narain Gupta, Ashok Kumar Gupta, and Har Narain Gupta, (Indian Nationals) trading as: Indian Steel and Metal Industries, 3/51, Civil Lines, Agra Uttar Pradesh. "Lunch Box" May 1, 1975.

Class 1. No. 143145. Hindustan Everest Tools Ltd., 61, Sundernagar, New Delhi-3, a company registered under Indian Companies Act. "Pipe wrench". June 26, 1975.

Class 1. No. 143213. G. M. Industries, an Indian Sole Proprietory concern. An Indian, of 276, Cross-out Road, Gandhipuram, Coimbatore-641012, Tamil Nadu, India. "Cycle stand". July 14, 1975.

Class 1. No. 143215. Chawlasons (Regd), 2396 Tilak Street, Chuna Mandi, Paharganj, New Delhi, an Indian Partnership concern. Indian Nationals. "A calendar". July 14, 1975.

Class 1. No. 143235. M. R. & Sons., 2457, Katra Rajji, Behind G. B. Road, Delhi-110006, (India) A registered Partnership Concern. Indian Nationals. "Cigarette Lighter". July 18, 1975.

Class 1. No. 143261. Fairdeal Traders, an Indian sole Proprietory firm of 232, 3B, Mangaldas Building, Mangaldas Road, Bombay-400002, Maharashtra, India. "Bottle opener cum closer" July 25, 1975.

Class 1. No. 143273. Ashoka Manufacturing Co. 3581, Gali Sangtarashan, Bara Hindu Rao, Delhi-6, a firm registered under the Indian Partnership Act, 1932. Indian Nationals. "Hook". July 25, 1975.

Class 1. No. 143276. Devendra Bhargava, 33, Anjali near Radio Club, Colaba, Bombay-400005, Maharashtra, India, an Indian National. "Simmer Plate". July 25, 1975.

Class 1. No. 143281. Cherukur Krishnaswamy Bhaskar, 3-A, Nungambakkam High Road, Madras-600034, Tamil Nadu, India. A subject of the Indian Union. "Bicycle load carrier". July 28, 1975.

Class 1. No. 143289. Philips India Limited, of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "The front panel of a Radio." July 29, 1975.

Class 1. No. 143340. A Salehmohamed & Co., 222, Janjikar Street, Bombay-3, Maharashtra, India, a partnership firm. Indian citizen. "Photo viewer". August 21, 1975.

Class 1. No. 143369. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Signal lantern". August 29, 1975.

Class 1. No. 143371. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700016, West Bengal, India "Flashlight". August 29, 1975.

Class 1. No. 143404. Govindbhai Gordhanbhai Patel, of Nigo's Niketan, Patel Compound, 48-B, Lamington Road, (North), Bombay-8, State of Maharashtra, India, an Indian. "A burner", September 15, 1975.

Class 1. No. 143411. Industrial Command of Asia, S-331, Punchasheel Park, New Delhi-110017 (India), (Registered Partnership Concern) (Indian Nationals). "A tandoor". September 17, 1975.

Class 1. No. 143446. Economic Metal Industries, an Indian Partnership Firm, at 4/6, 3rd Phophal Wadi, Nemani Bldg., Bhuleshwar, Bombay-400003, Maharashtra, India. Indians. "Folding bottle carrier". September 26, 1975.

Class 3. No. 143189. Shree Agencies, 4E/13, Jhandewalan Extension, New Delhi-110055 (India), an Indian Partnership Firm. (Indian National). "Bus-seat". July 1, 1975.

Class 3. No. 143236. Narinder Kumar Jain, Saroj Jain and Usha Jain, all Indian Nationals, trading as N. K. Industries of G. T. Road, Jullundur Cantt. 144005. East Punjab, India. "Container". July 18, 1975.

Class 3. No. 143290. Philips India Limited, of Shivsagar Estate, Block "A" Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, Indian, an Indian Company. "The front panel of a radio". July 29, 1975.

Class 3. No. 143302. Daljit Singh, 37/26 East Patel Nagar, New Delhi-110008 India, an Indian citizen. "Bip". August 1, 1975.

Class 3. No. 143335. Sheth & Sheth Industries, a proprietory firm, Janmabhoomi Chambers, Walchand Hirachand Marg, Bellard Estate, Bombay-400001, Maharashtra State, India, "Cigarette lighter". August 21, 1975.

Class 3. 143370. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Signal lantern". August 29, 1975.

Class 3. No. 143372. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Cal-Calcutta-700016, West Bengal, India. "Flashlight", August 29, 1975.

Class 3. No. 143406. Chitalia Brothers, 211, Champaklal Industrial Estate, 105, Sion East, Bombay-400022, Maharashtra, India, an Indian Partnership firm. Indian National. "Record stand". September 15, 1975.

Class 4. Nos. 143274 & 143275. The Mahalakshmi Glass Works Private Limited (A private limited Company incorporated under the Indian Companies Act) at Dr. E. Moses Road, Jacob circle, Bombay-400011, Maharashtra, India. "Bottle". July 25, 1975.

Class 6. No. 143282. Leathermasters Syndicate, 52, Basti Nau, Jullundur City, Punjab State. An Indian Partcership firm. Indian National. "Inflated leather balls". July 28, 1975.

Class 10. No. 142976. Bata India Limited, a limited company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani in the town of Calcutta, West Bengal, India. "Footwear". May 6, 1975.

Class 13. Nos. 143363 to 143367. The Delhi Cloth & General Mills Co. Limited, a Joint Stock Company registered under the Indian Companies Act, 1882 with Registered Office at Bara Hindu Rao, Delhi-6. "Towel". August 27, 1975.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 138376, 138867, 137930, 139380, 140356, 141665, 141668, 142330, 141666, 141669..... Class 1.

Design Nos. 141620, 141621, 141626, 142391, ... Class 3.
Design Nos. 137308, 142451 & 142830, 142831 .... Class 4.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 127384, 138867, 139380, 141665, 141668, 142330, 141666, 141669..... Class 1.

Design Nos. 126924, 127811, 141620, 141621, 141626 & 142391 .....Class 3.

Design No. 142830, 142831 ..... Class 4.

NAME INDEX APPLICANTS FOR PATENTS FOR THE MONTH OF NOVEMBER 1975, (NOS. 2101/Cal/75 to 2282/Cal/75, 312/Bom/75 to 350/Bom/75 and 162/Mas/75 to 192/Mas/75.

Name *Appln. No.*

A

Aditya, S. (Smt.)—2176/Cal/75.

Agarwal, K. S.—2191/Cal/75.

Agarwal, R. P.—2191/Cal/75.

Ahmedabad Textile Industry's Research Association.—323/Bom/75, 333/Bom/75, 334/Bom/75, 335/Bom/75, 336/Bom/75, 337/Bom/75.

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American Flange & Manufacturing Co., Inc.—2127/Cal/75.

American Home Products Corpn.—2226/Cal/75.

Amfin Corpn.—2123/Cal/75.

A/S Teknova.—2248/Cal/75.

B

Barringer Research Ltd.—2166/Cal/75.

Bayer Aktiengesellschaft.—2103/Cal/75, 2126/Cal/75, 2136/Cal/75, 2250/Cal/75.

BBC Brown Boveri & Company Ltd.—2110/Cal/75.

Bekum Maschinenfabriken GMBH.—2268/Cal/75.

Name *Appln. No.*

B-(Contd.)

Belkina, L. I.—2189/Cal/75.
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Bethlehem Steel Corpn.—2162/Cal/75.
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Buckman Laboratories Inc.—2220/Cal/75.

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Chandha, A. (Miss).—2141/Cal/75.
Chatterjee, S. S.—2239/Cal/75.
Chaugule, P. J.—326/Bom/75, 327/Bom/75, 328/Bom/75.
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Chelladhurai, A. N.—190/Mas/75.
Chhabra, J. R.—2237/Cal/75.
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